

## *Supporting Information for*

### Three-component domino reactions providing rapid and efficient routes to fully substituted pyrroles

*Jia-Yan Liu, Qiu-Yun Li, Bo Jiang,\* and Shu-Jiang Tu\**

School of Chemistry and Chemical Engineering, and Jiangsu Key Laboratory of Green Synthetic Chemistry for Functional Materials, Jiangsu Normal University, Jiangsu, P.R. China.

*E-mail:* [jiangchem@jsnu.edu.cn](mailto:jiangchem@jsnu.edu.cn) (B. Jiang); [laotu@jsnu.edu.cn](mailto:laotu@jsnu.edu.cn) (S.-J. Tu)

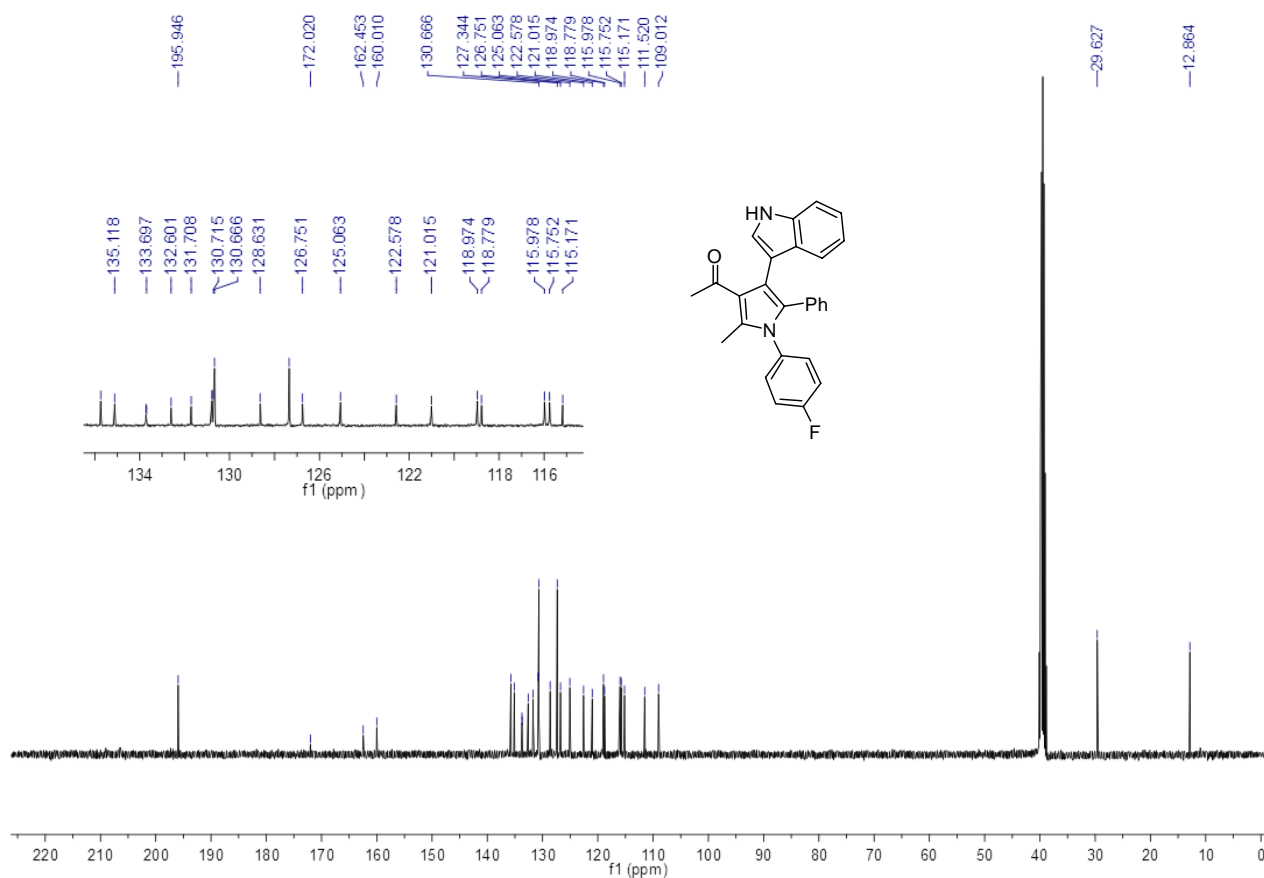
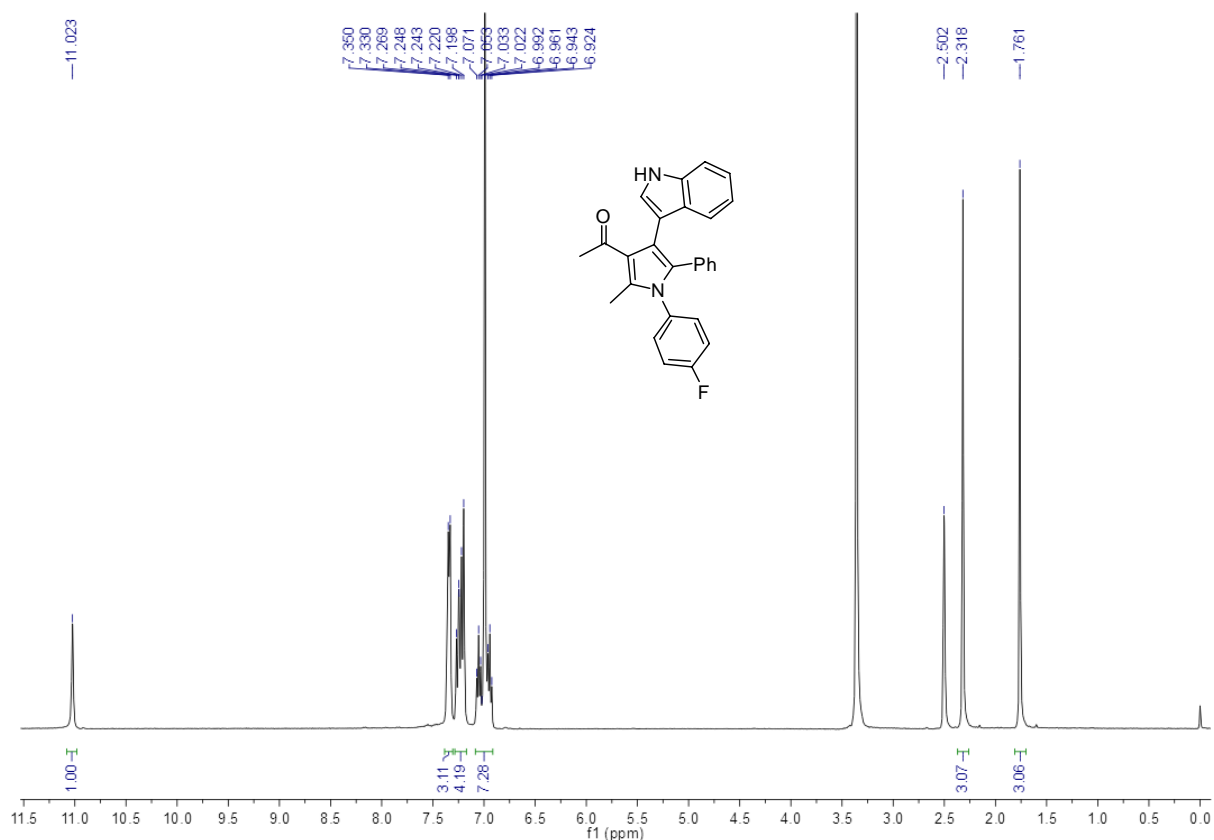
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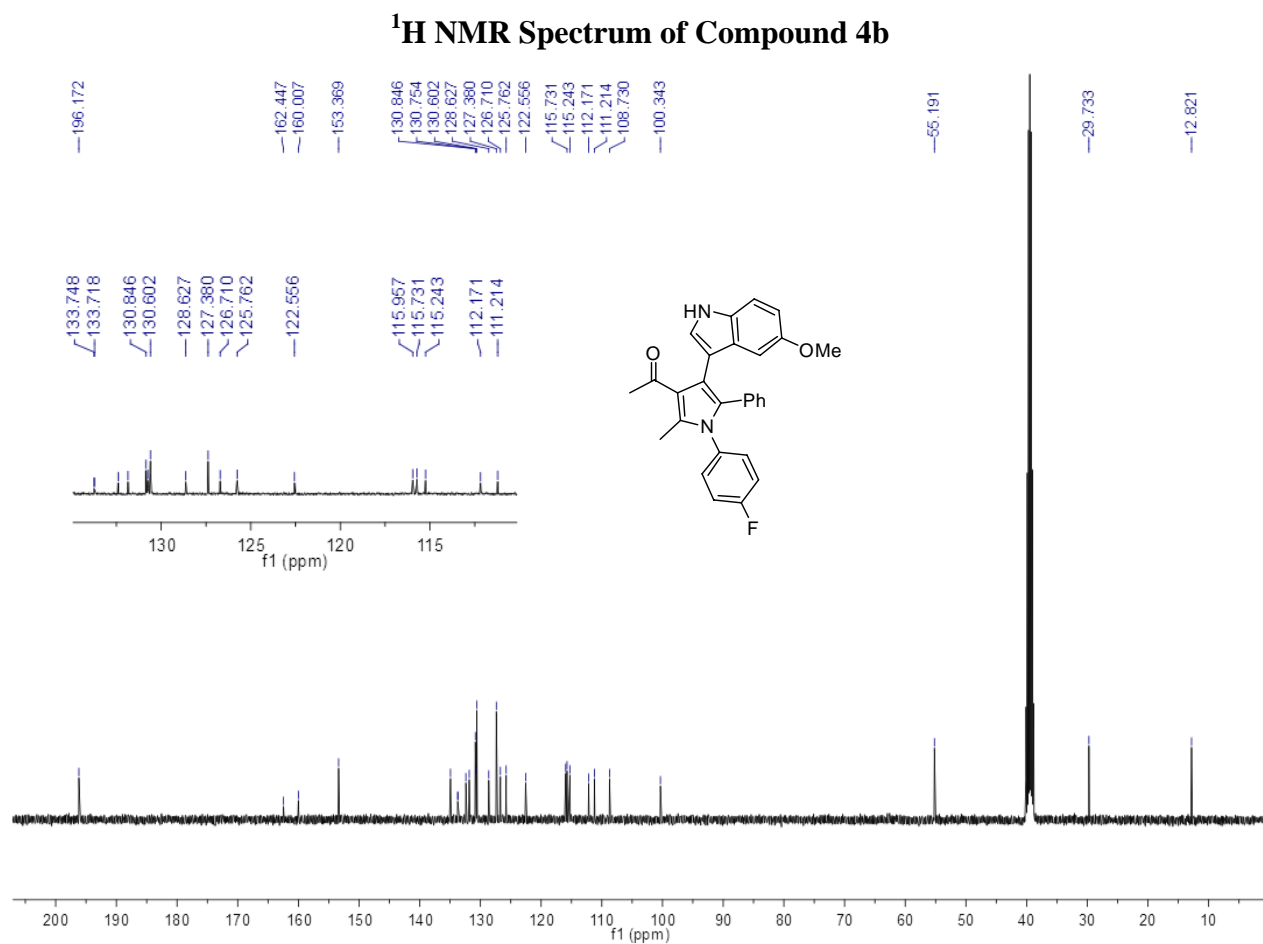
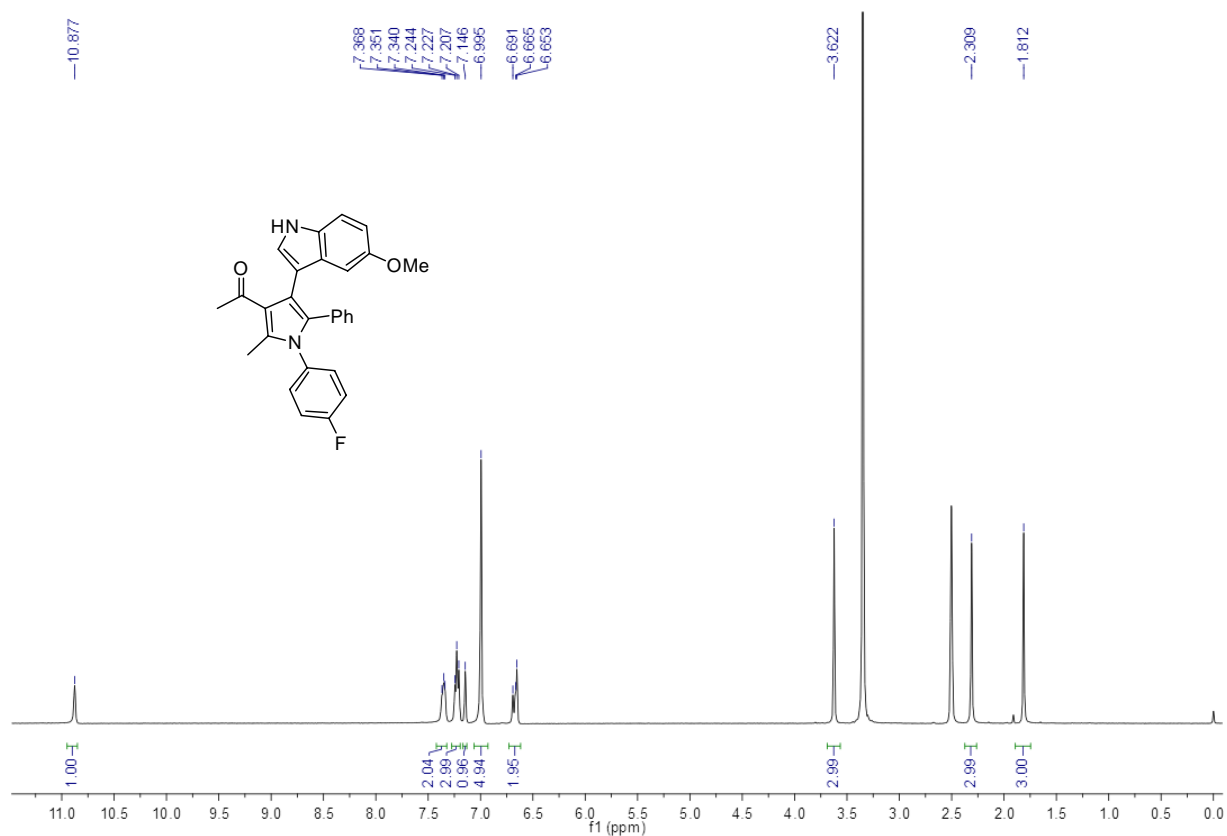
Copies of <sup>1</sup>H and <sup>13</sup>C NMR Spectra for Compounds **6a-6y**----- S26-S50

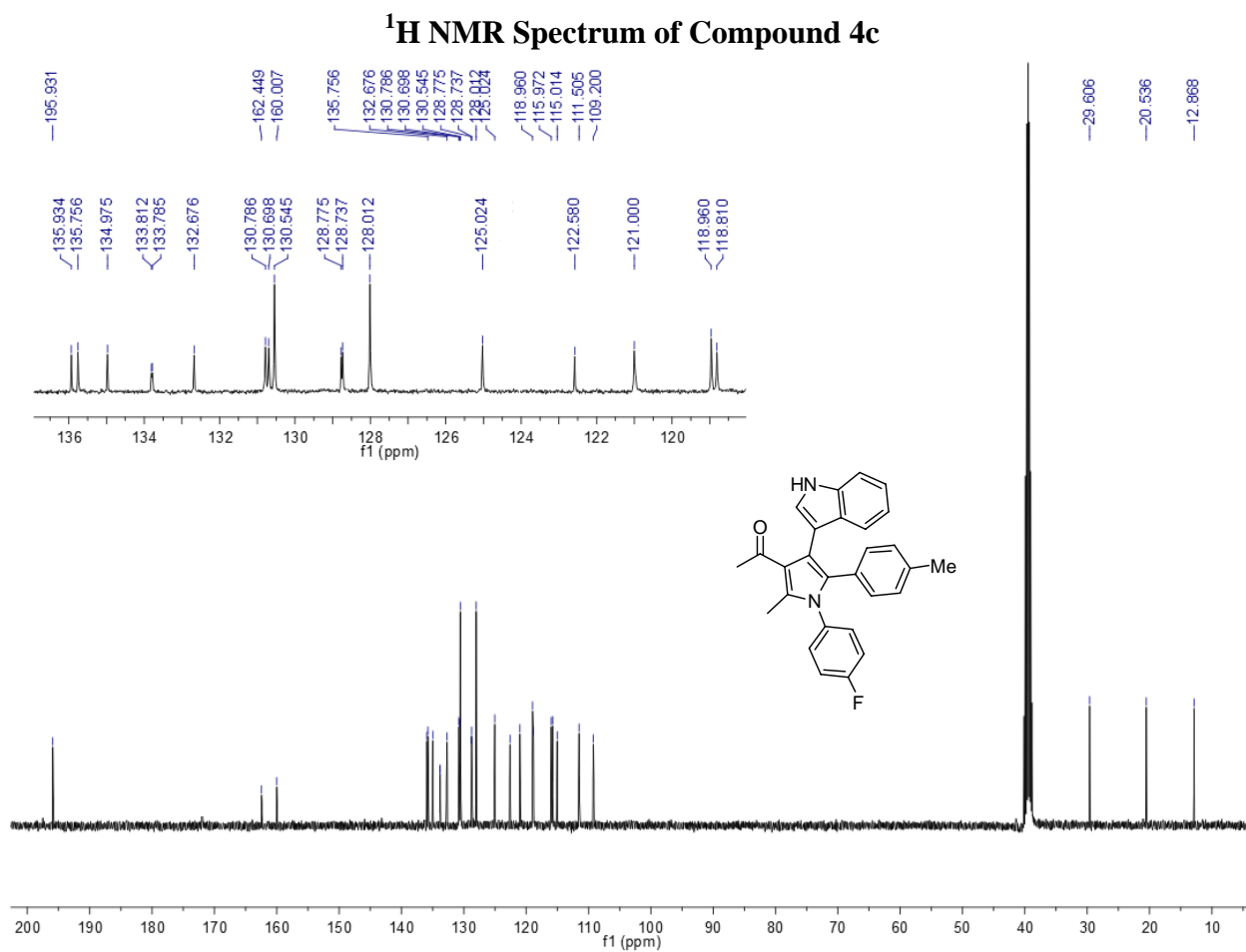
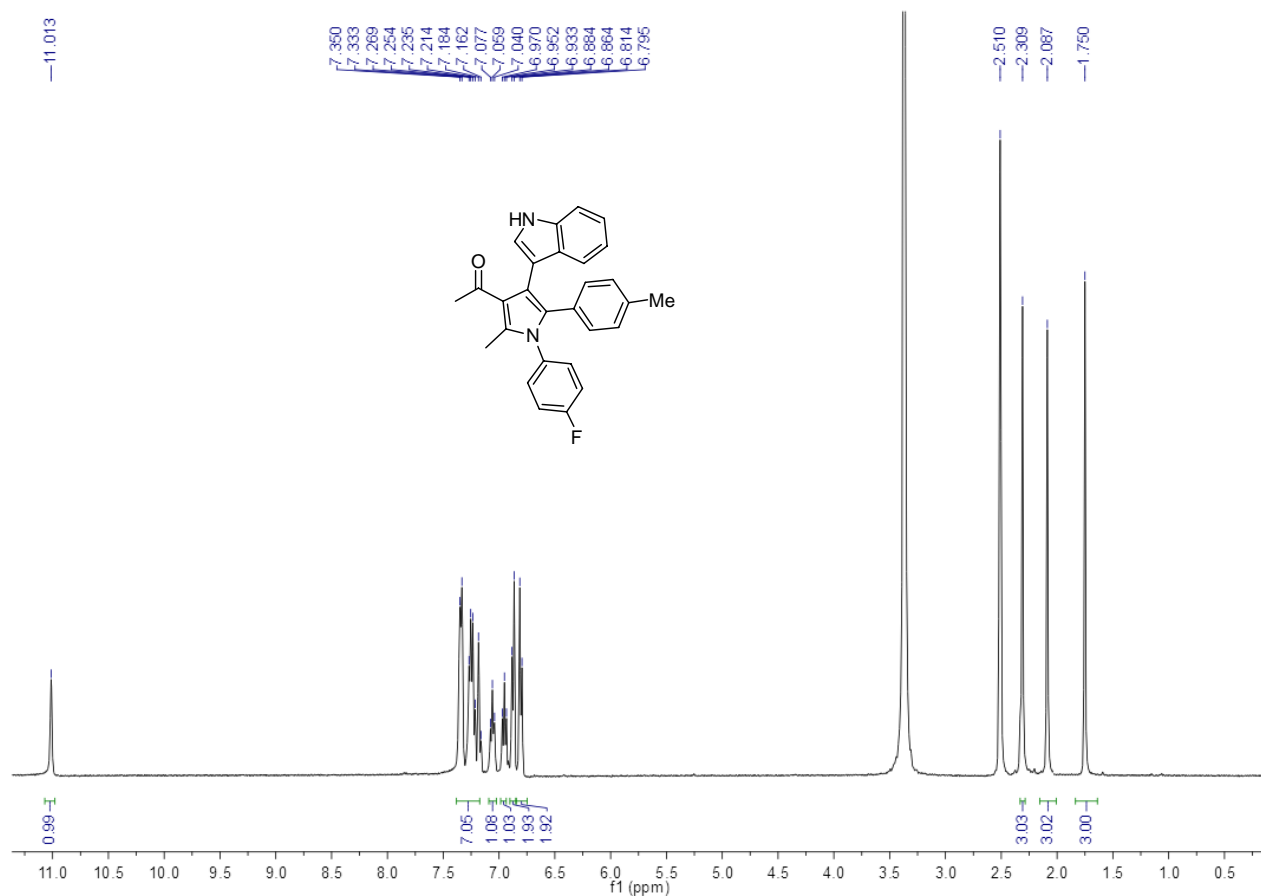
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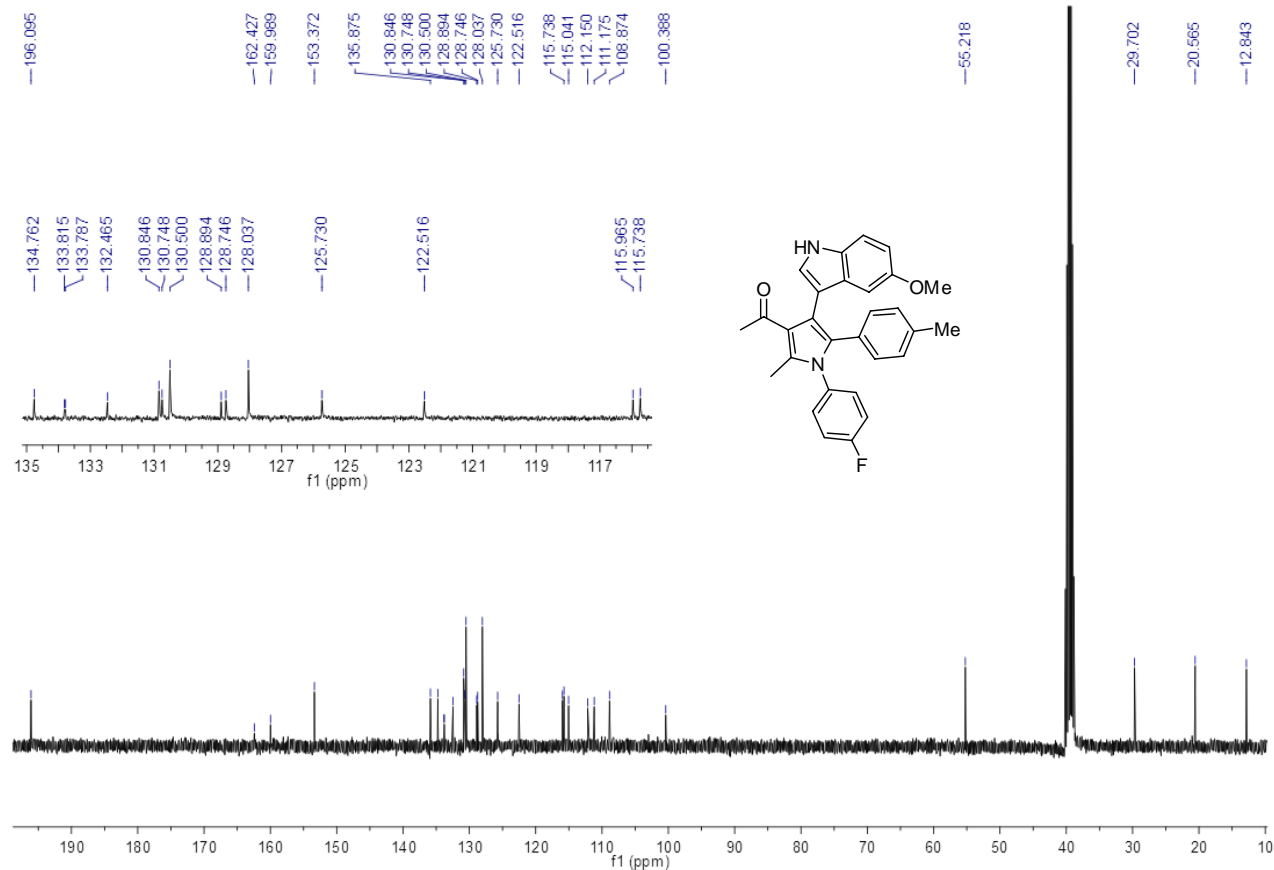
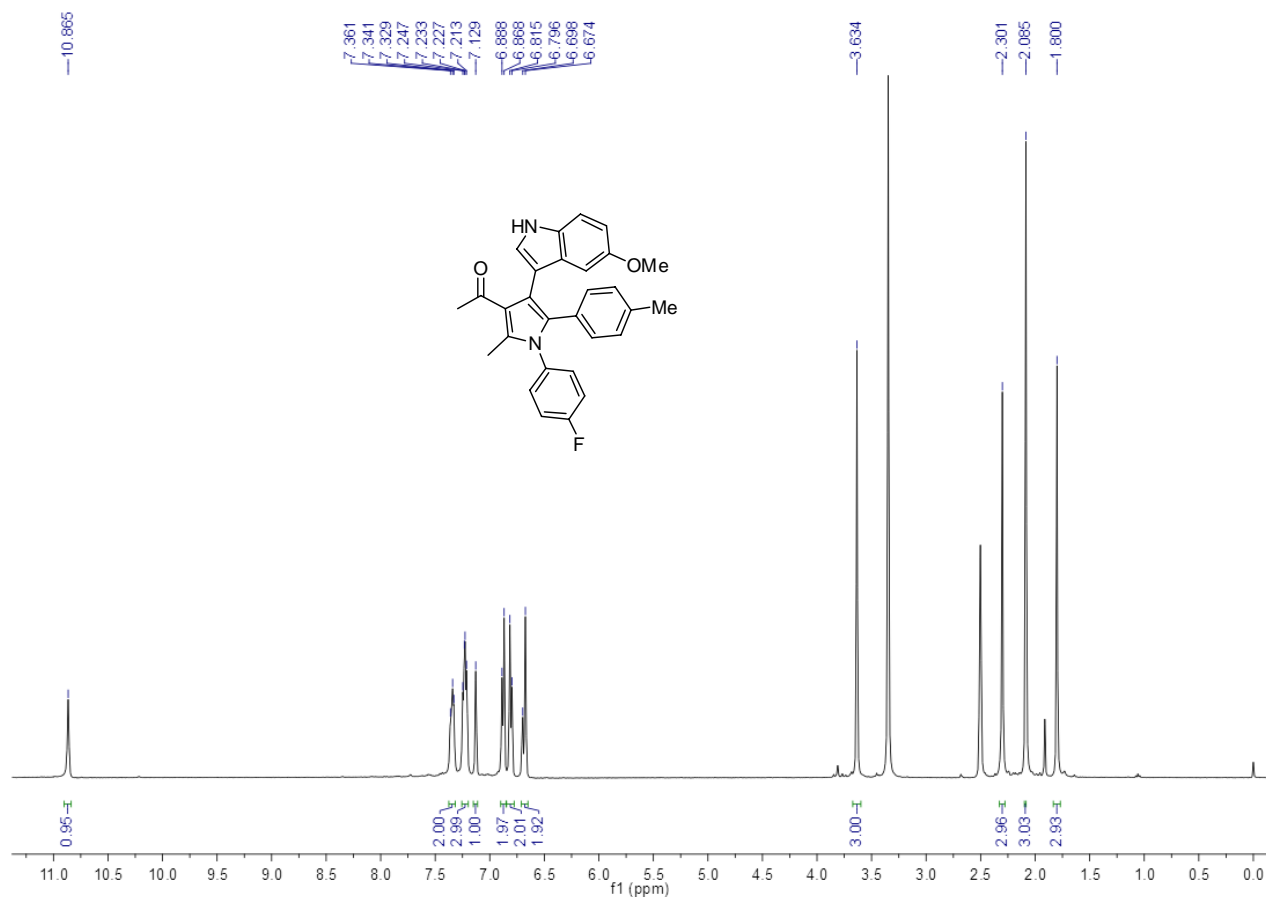
# Copies of Spectra for Products 4, 6 and 8

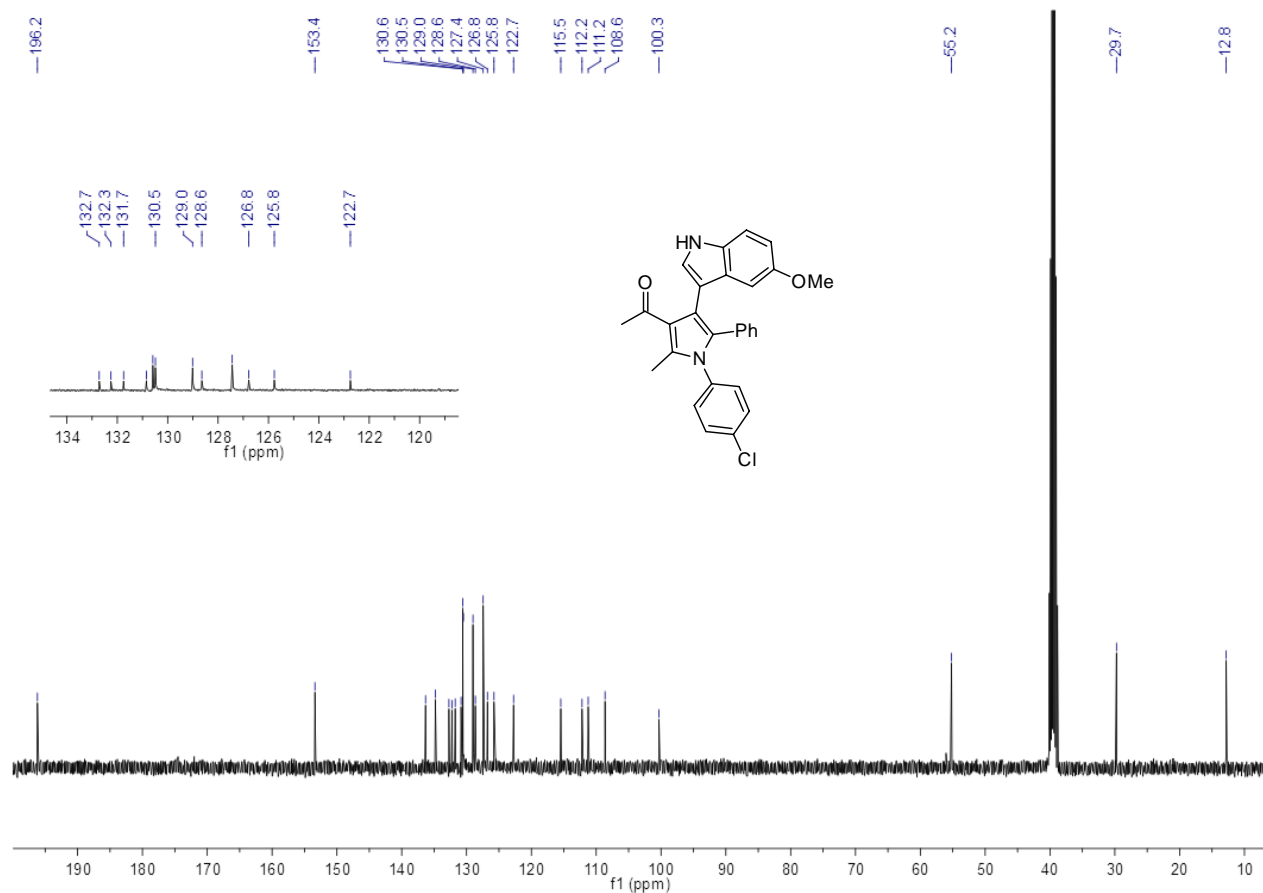
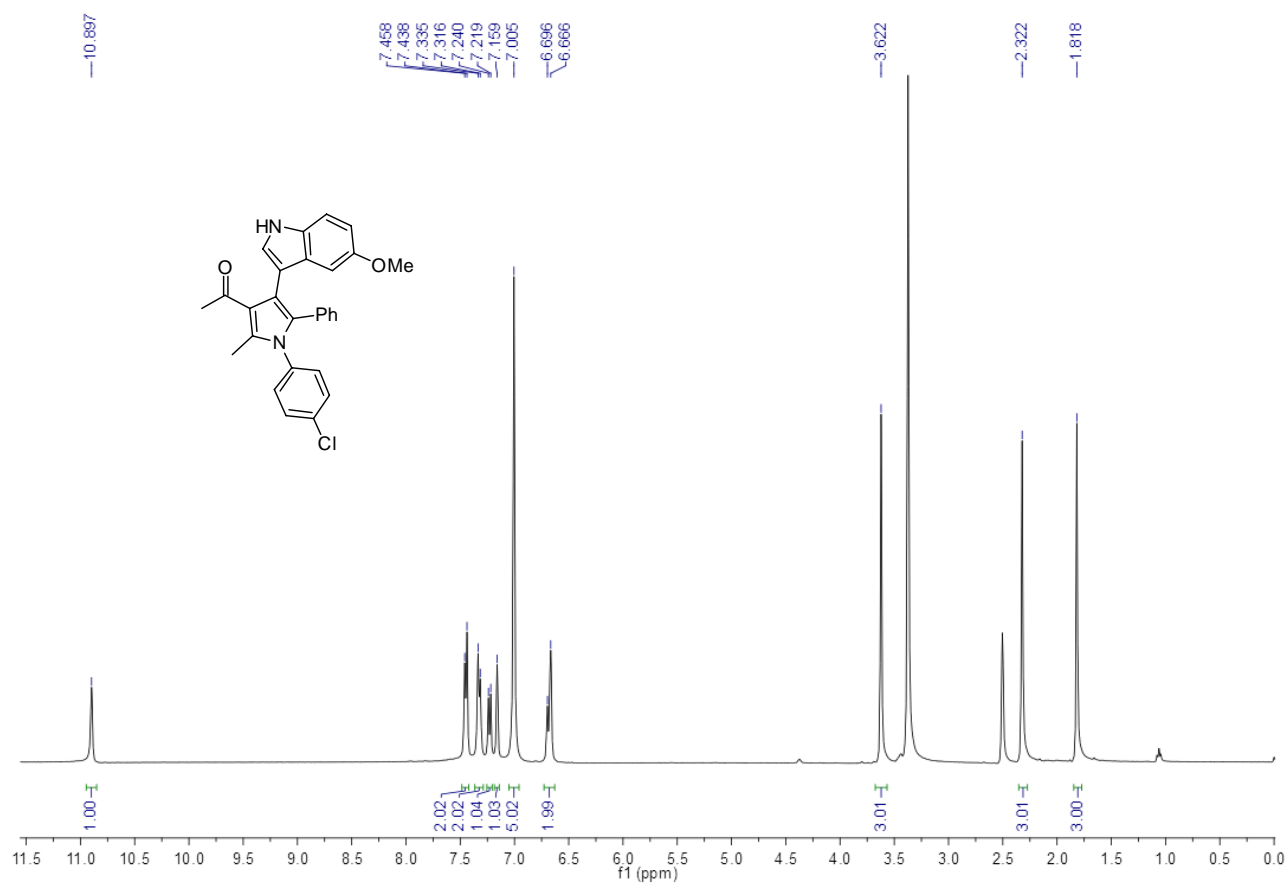


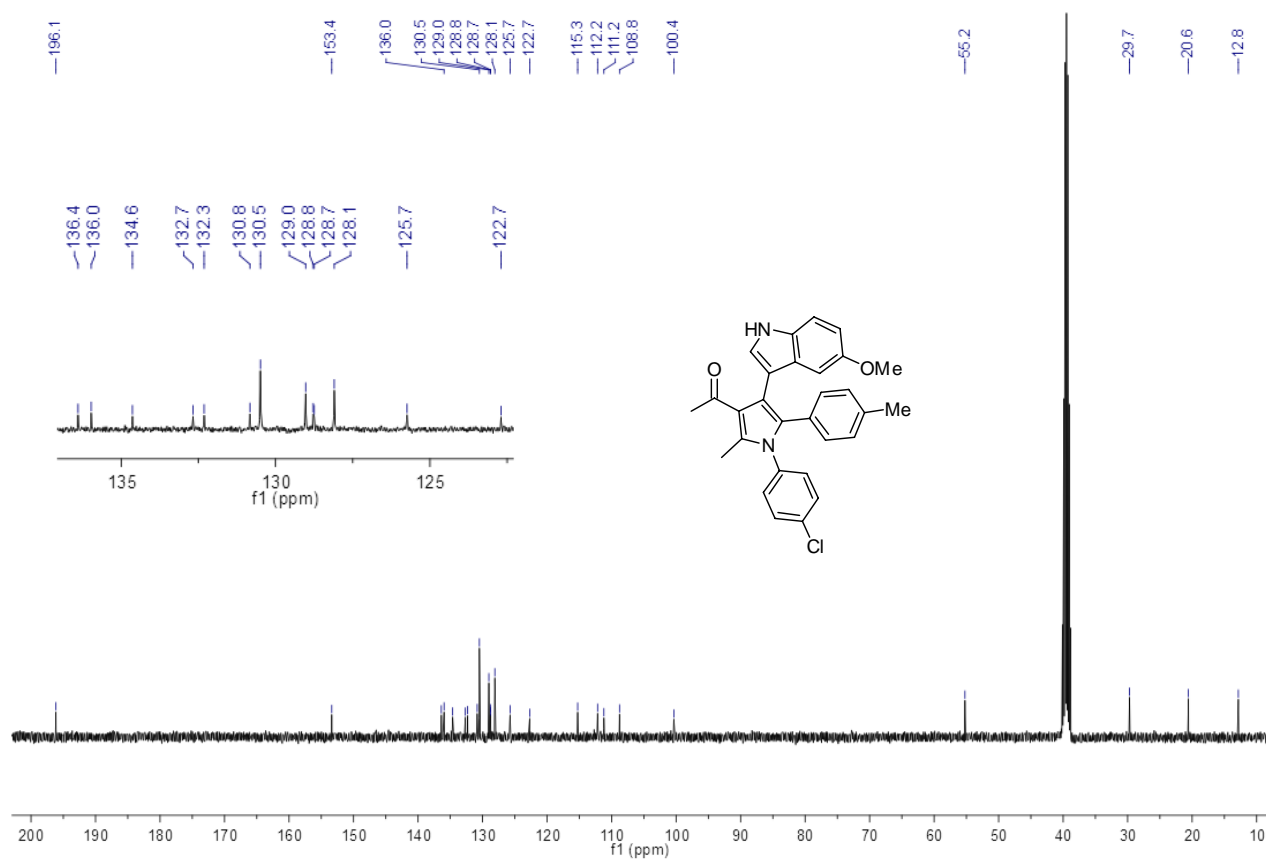
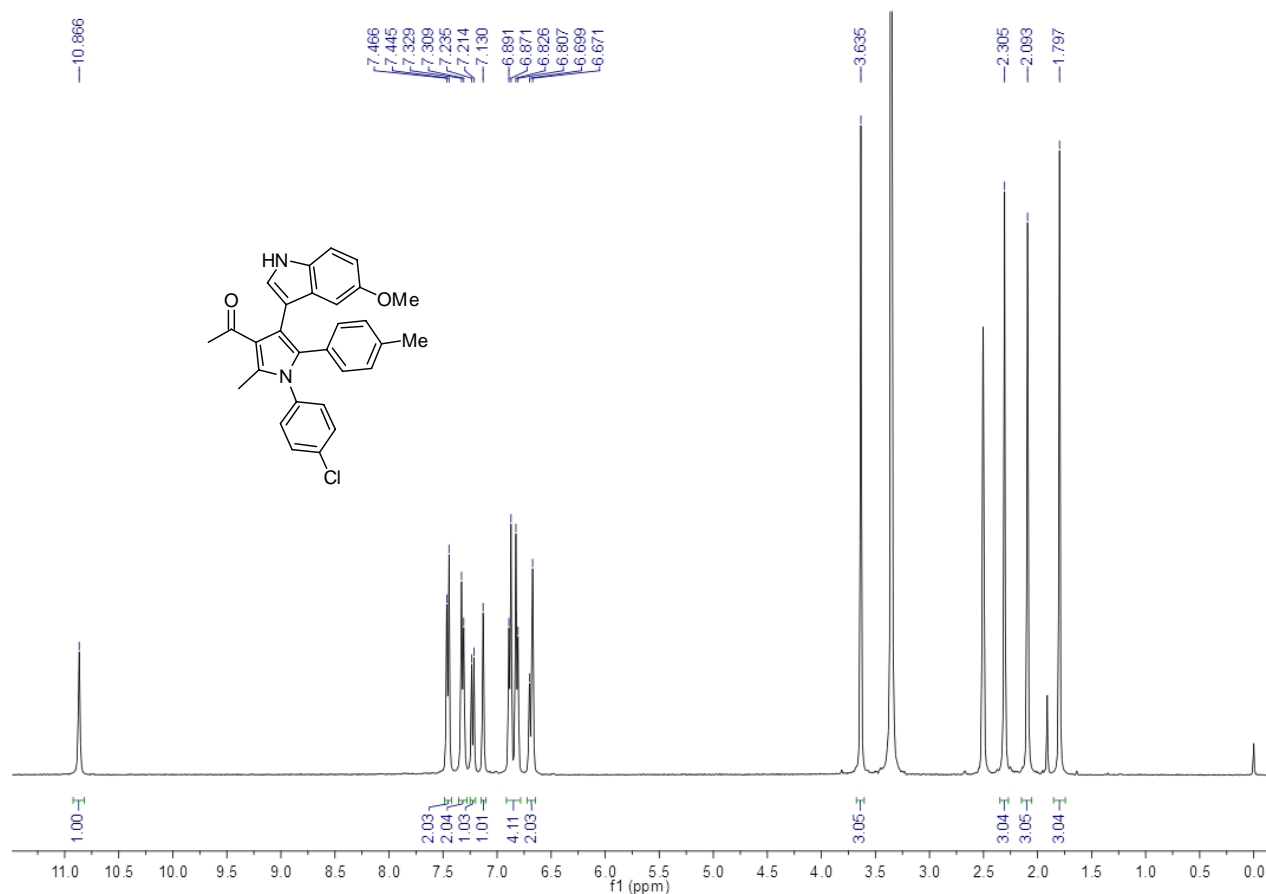
**<sup>13</sup>C NMR Spectrum of Compound 4a**

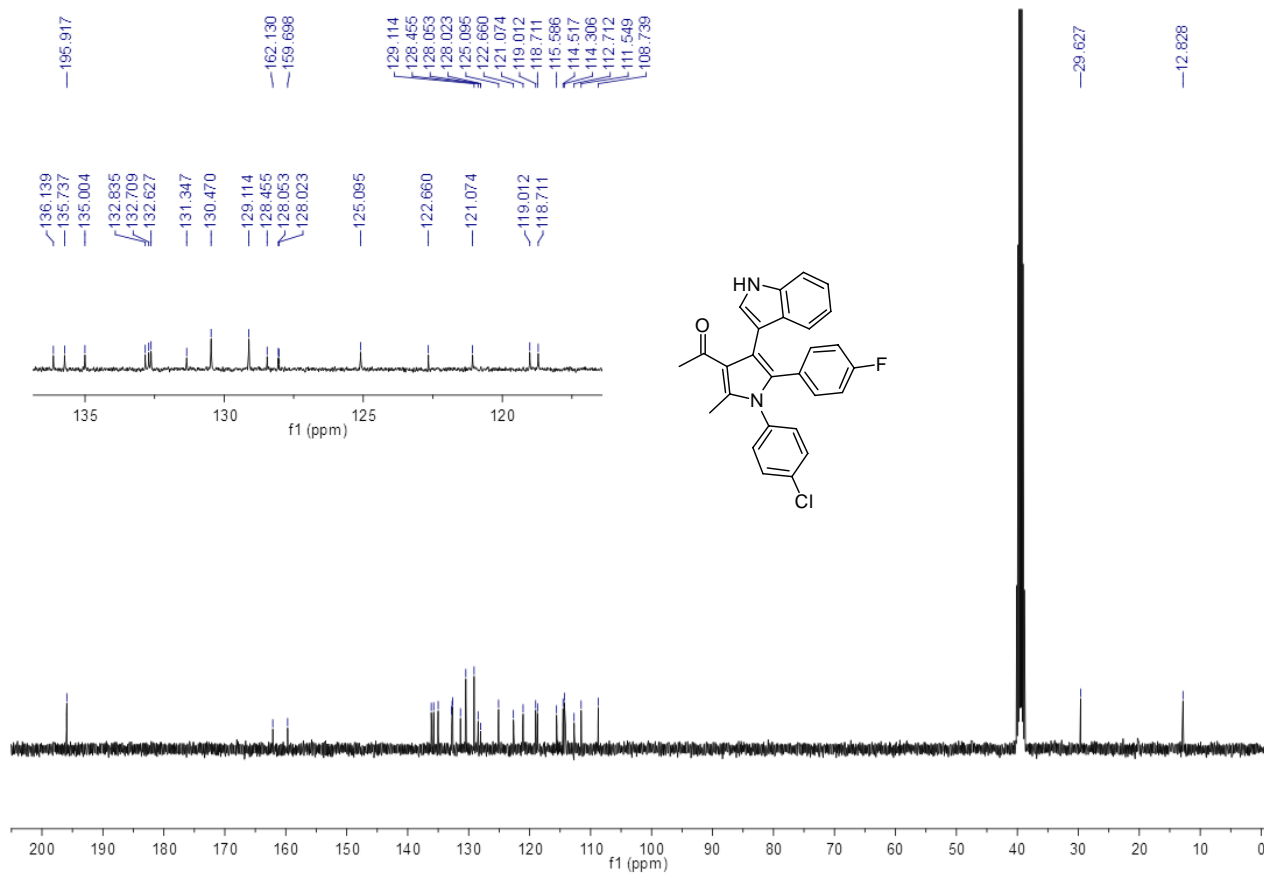
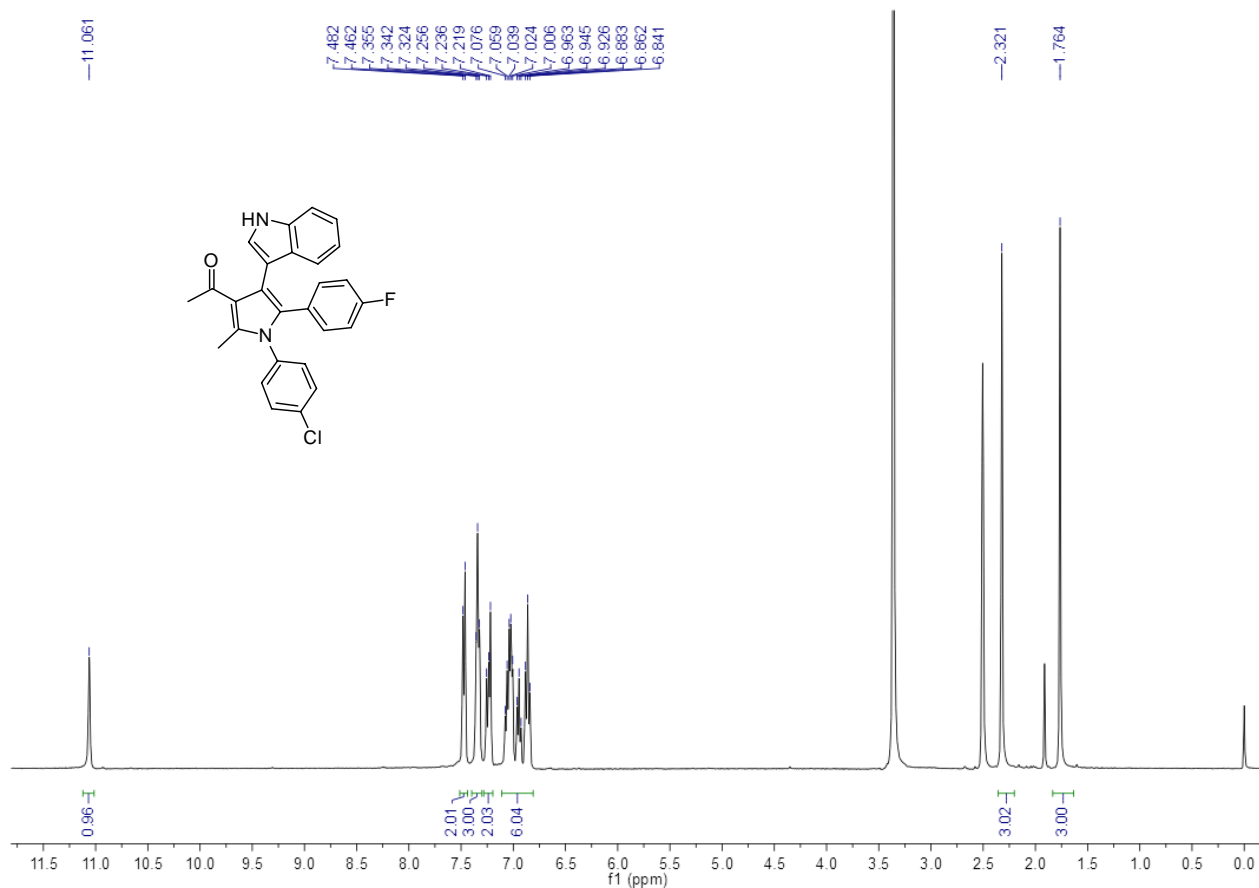






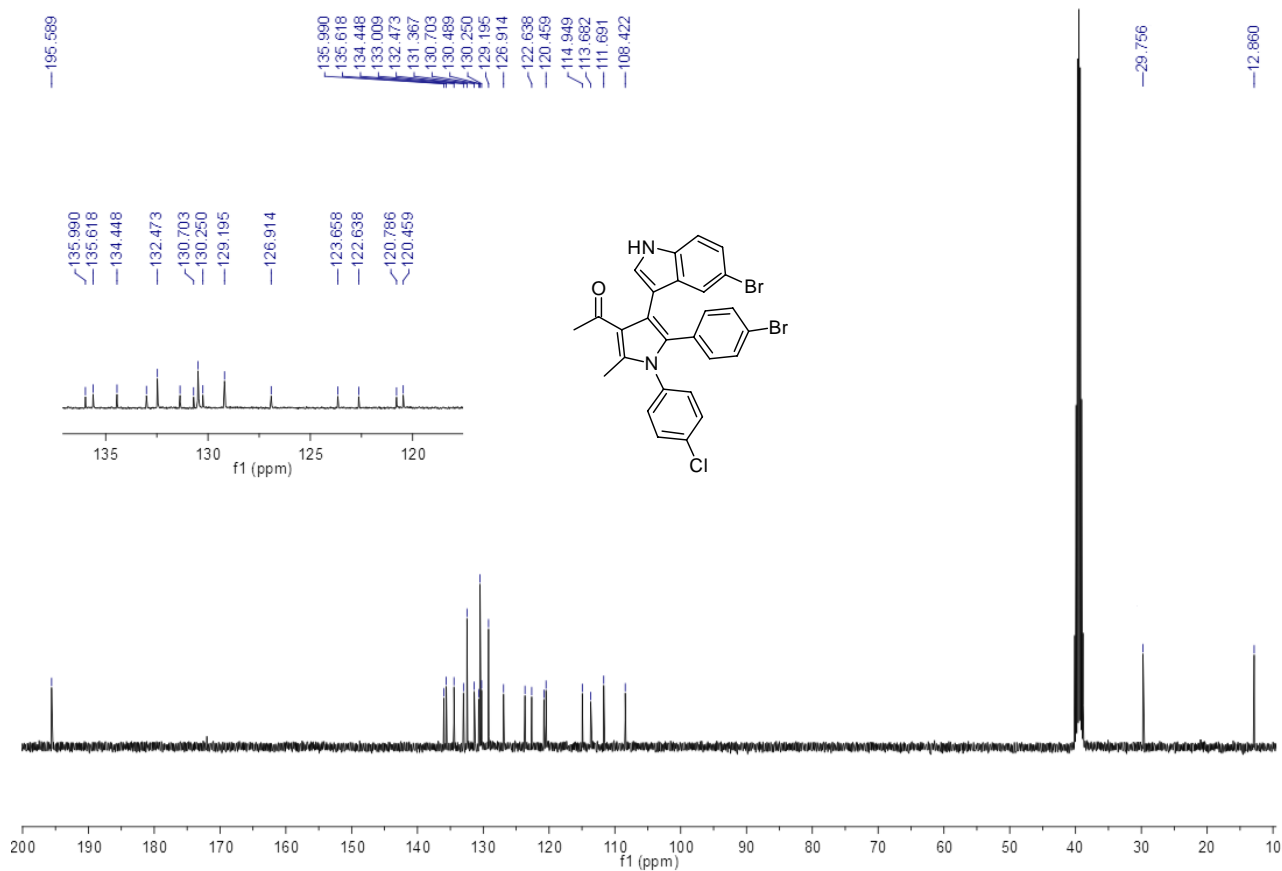
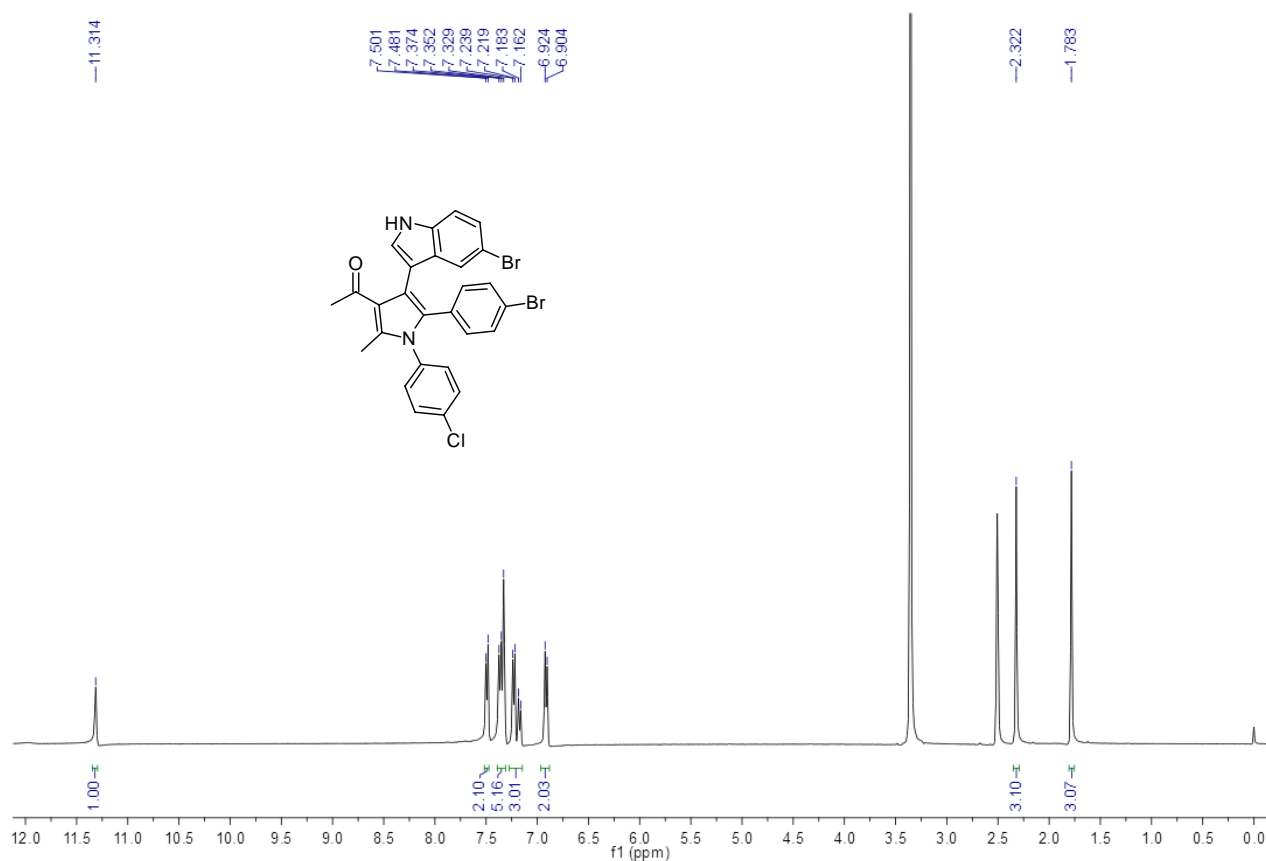


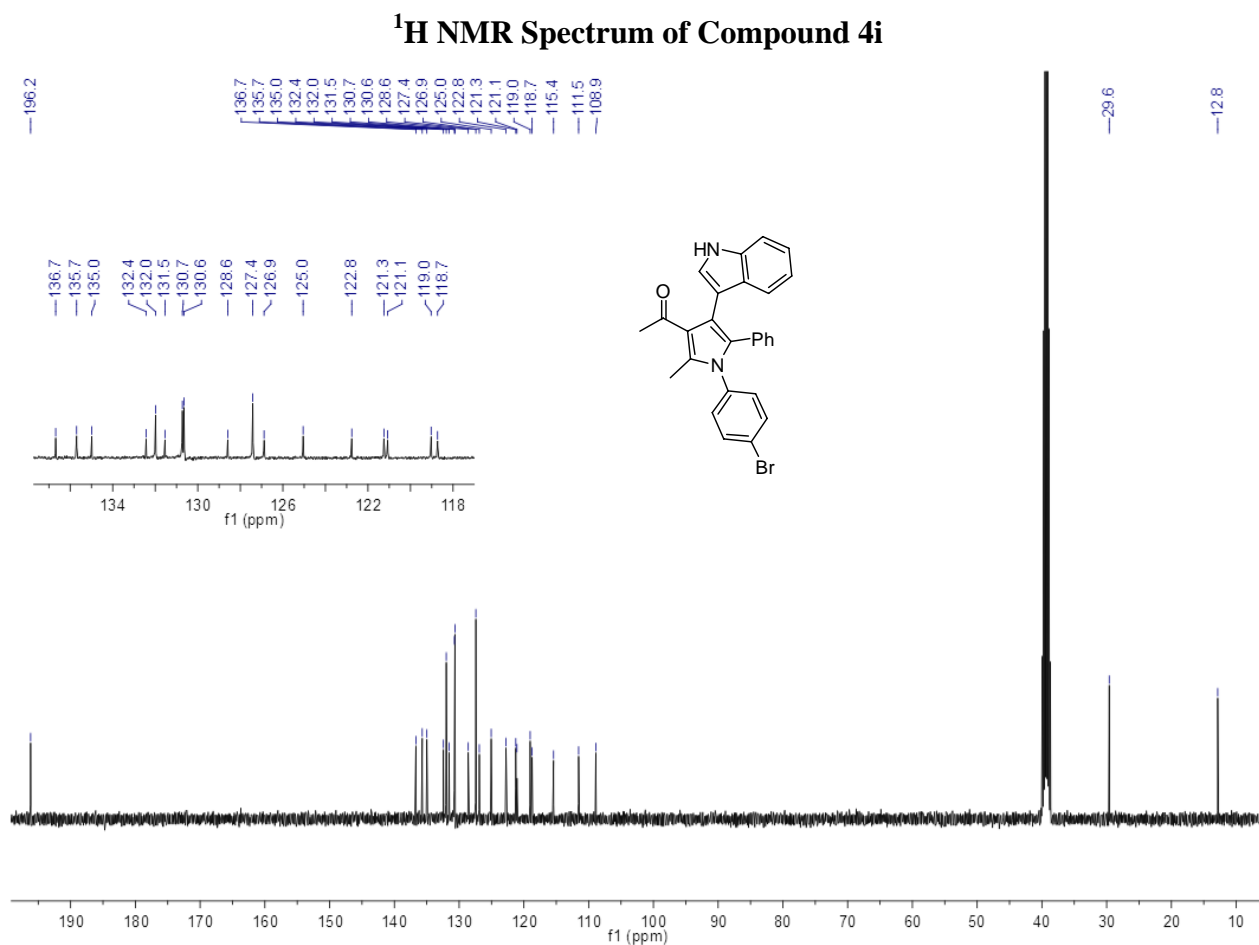
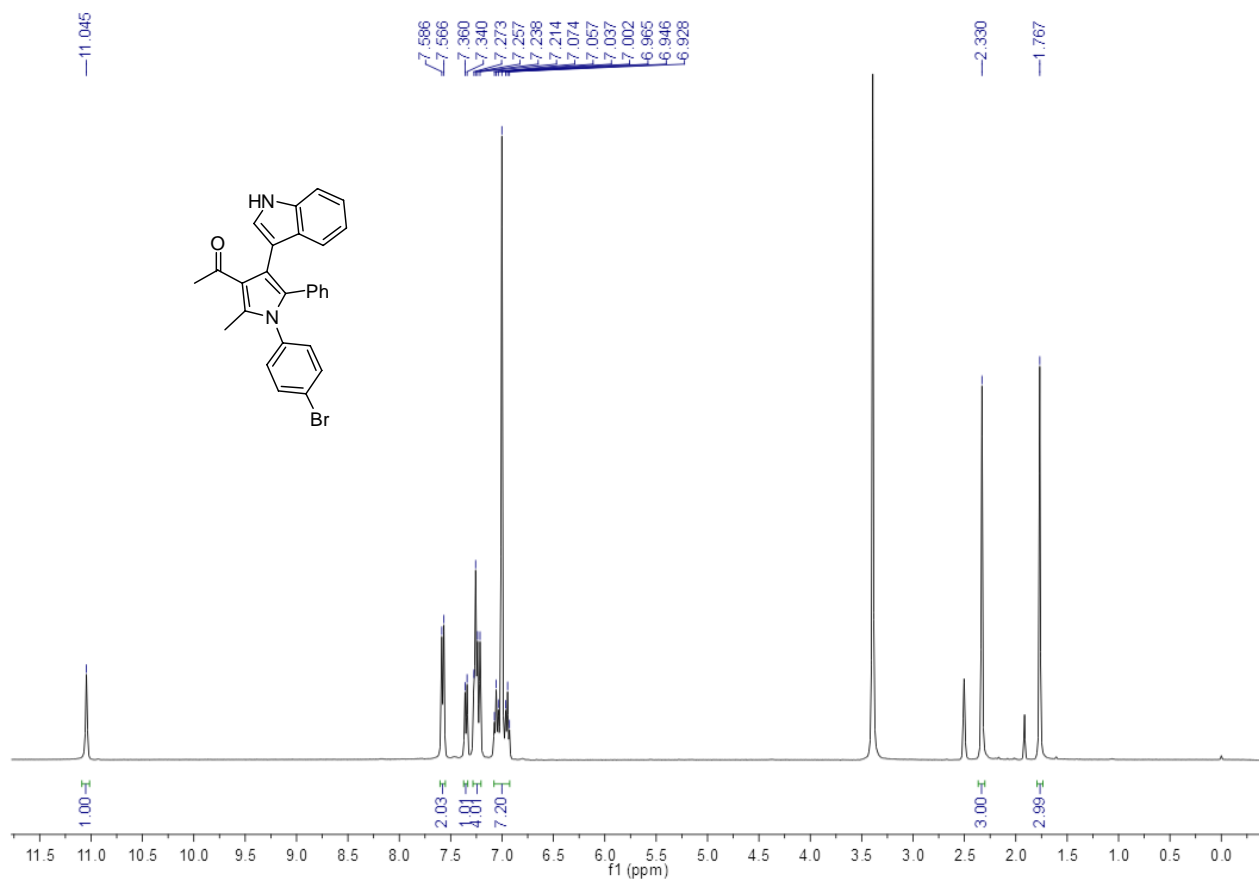


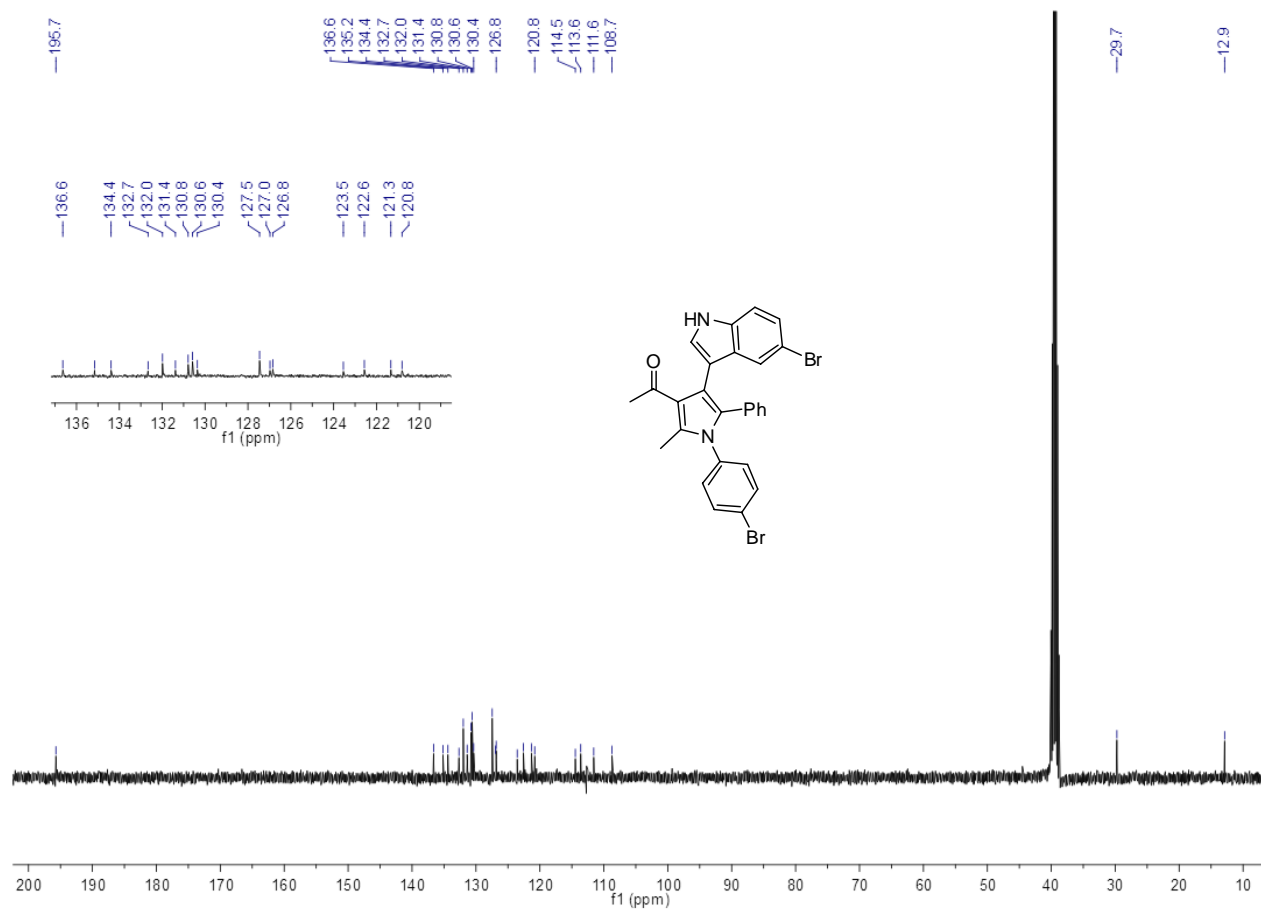
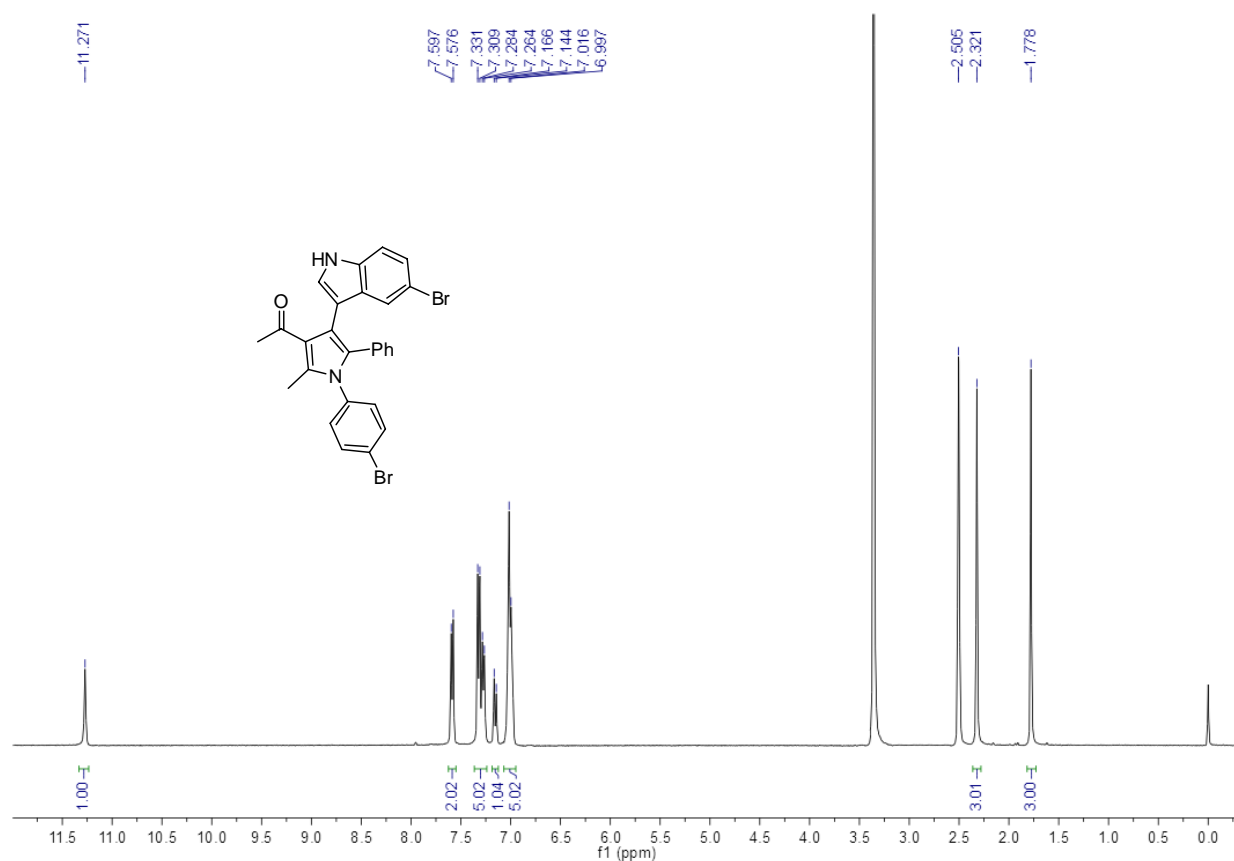


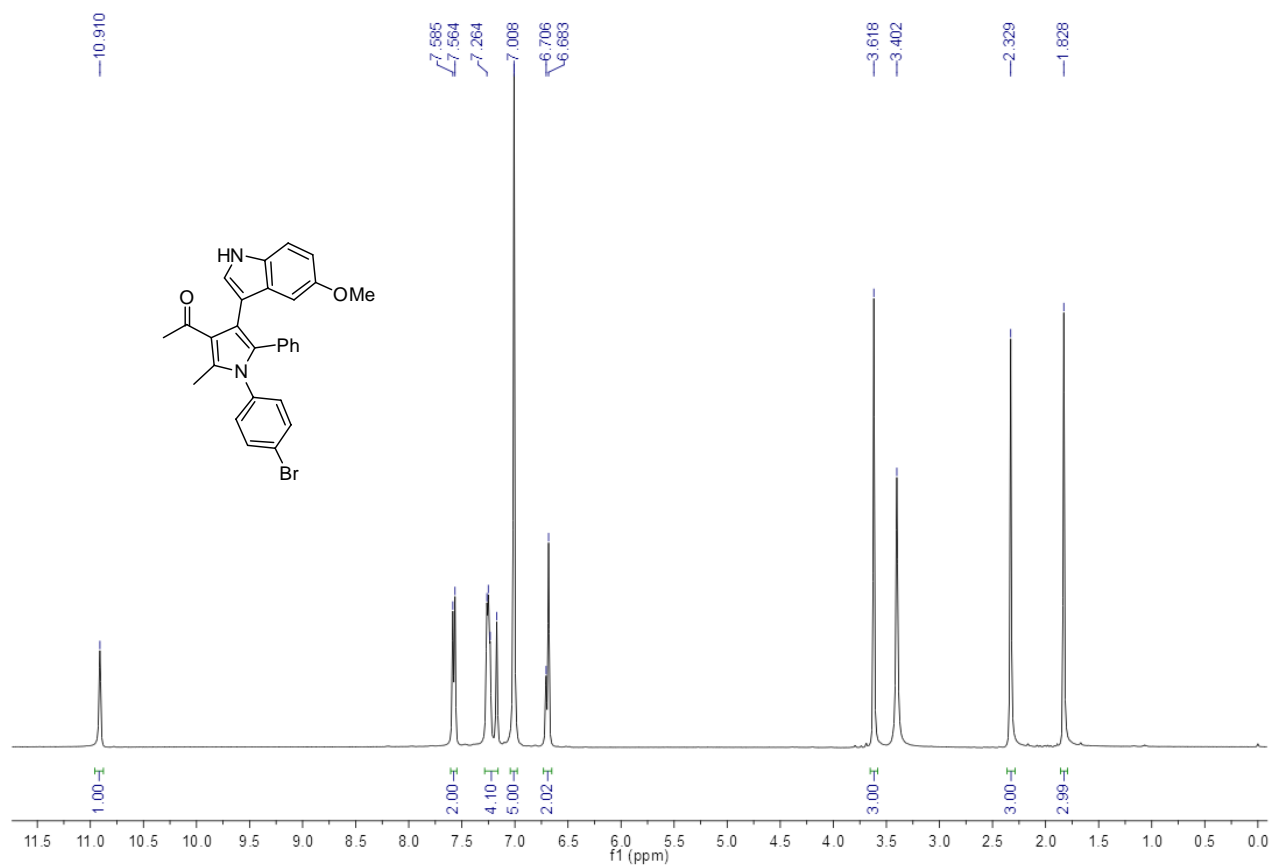
**<sup>13</sup>C NMR Spectrum of Compound 4g**



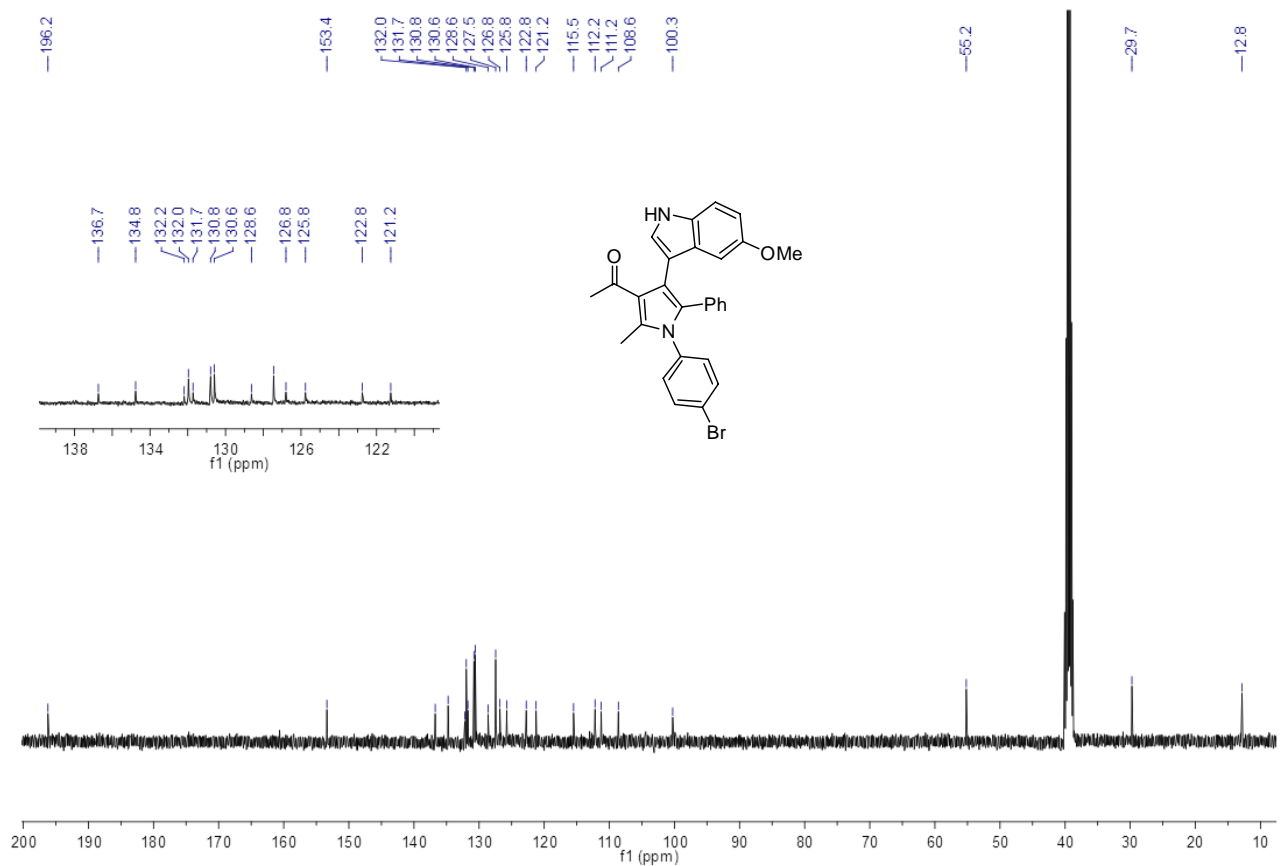




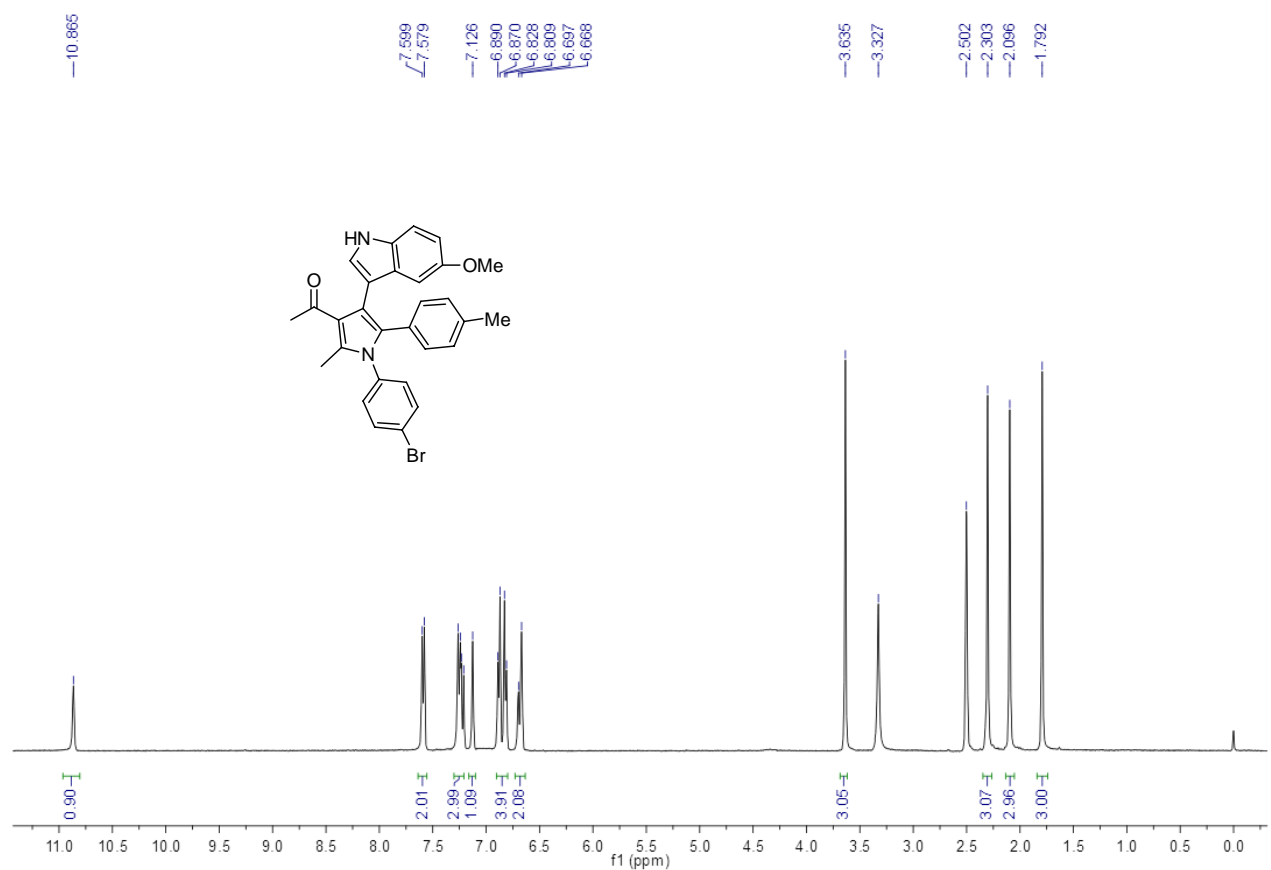




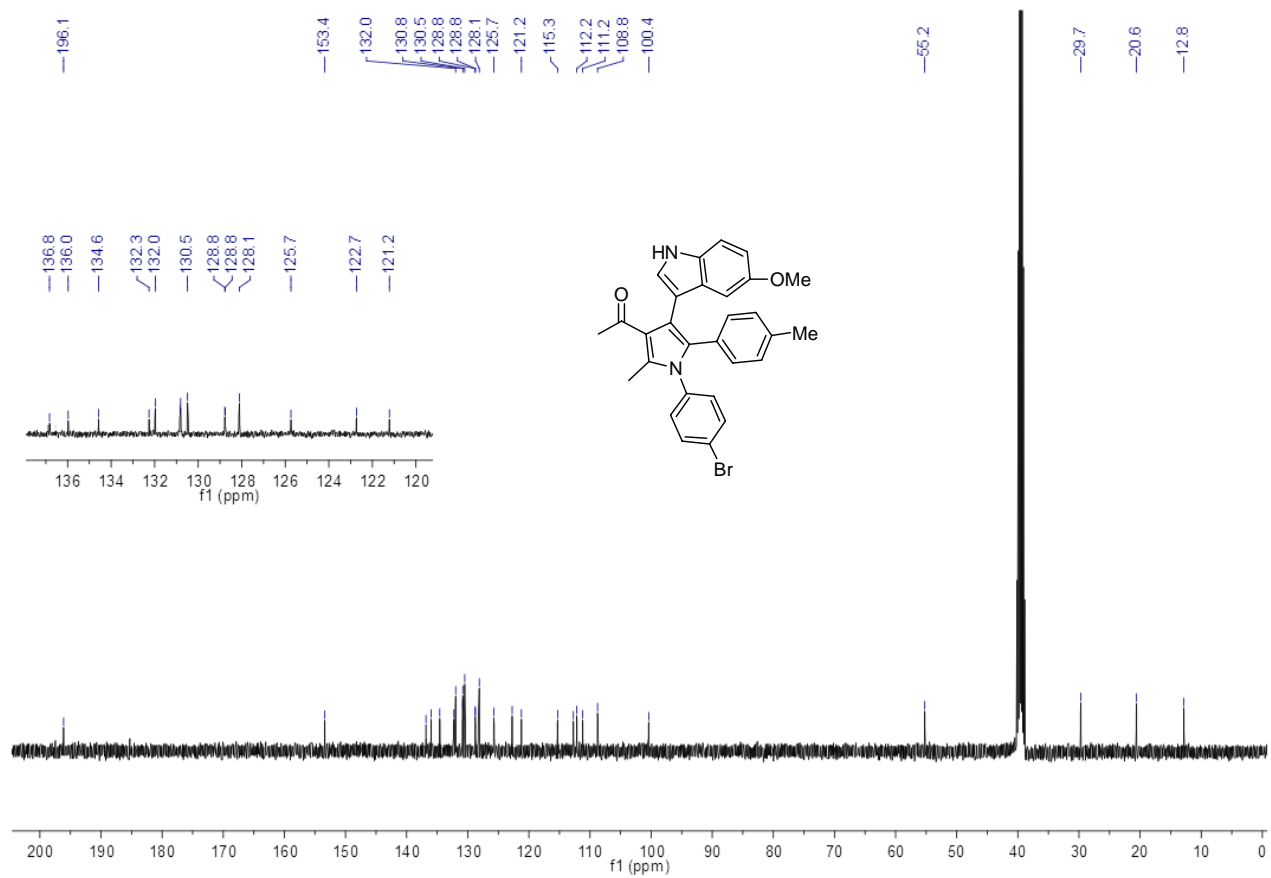
<sup>1</sup>H NMR Spectrum of Compound 4k



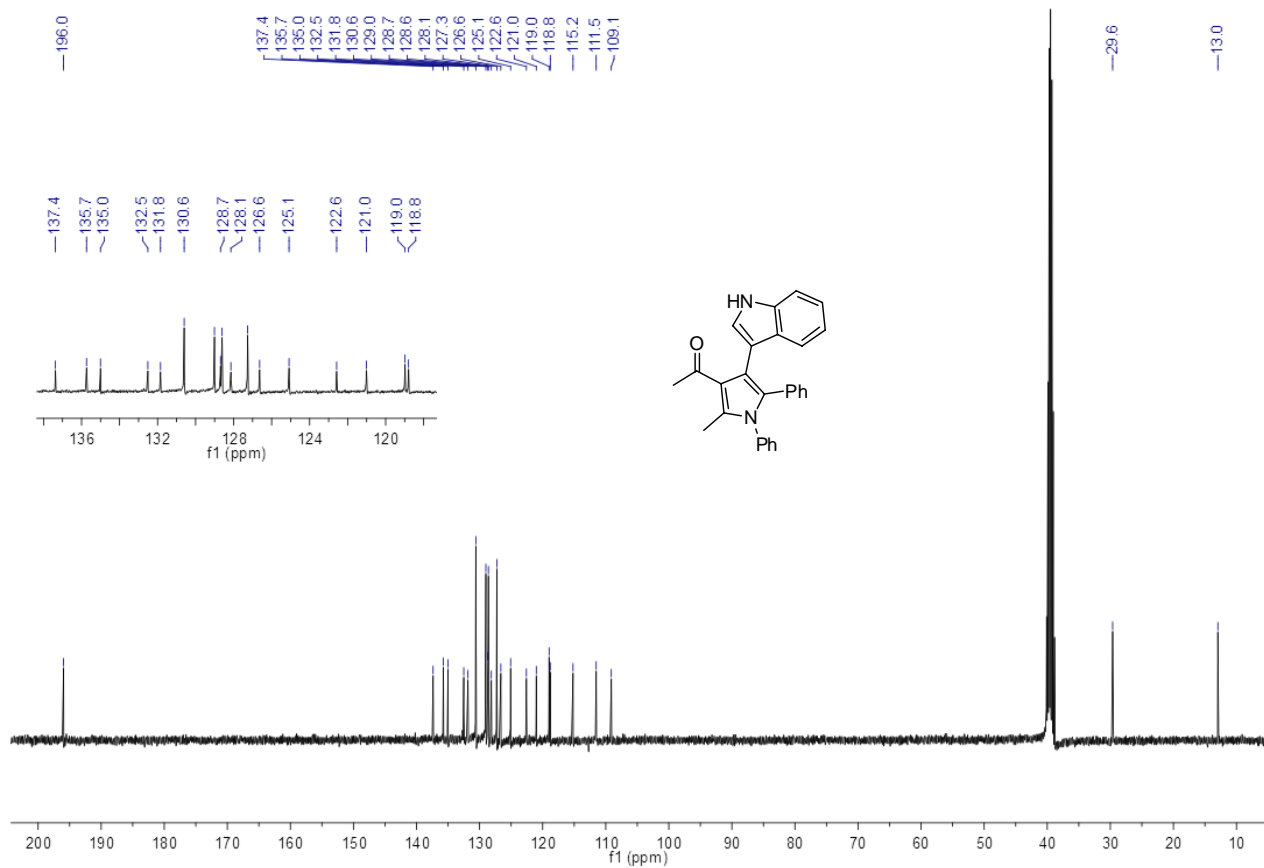
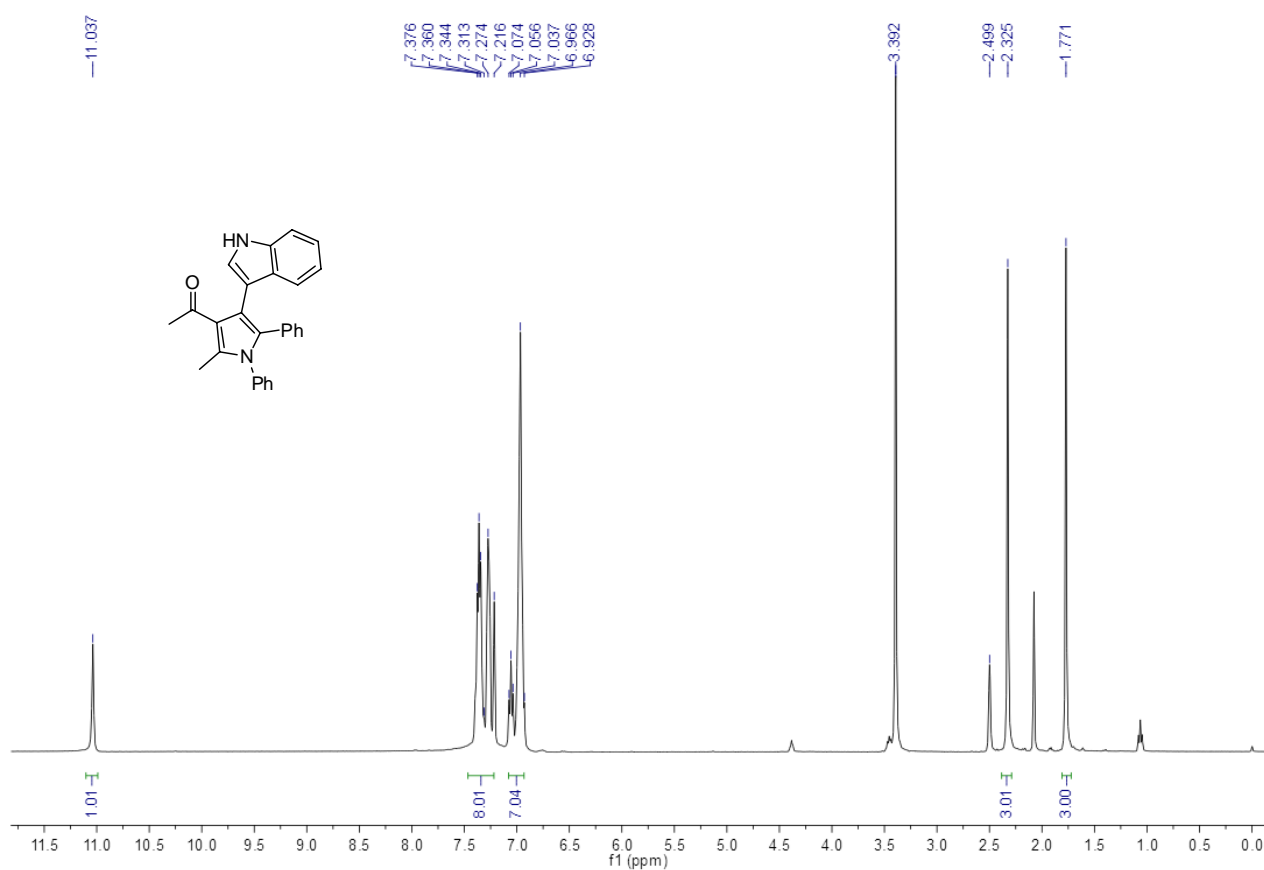
<sup>13</sup>C NMR Spectrum of Compound 4k

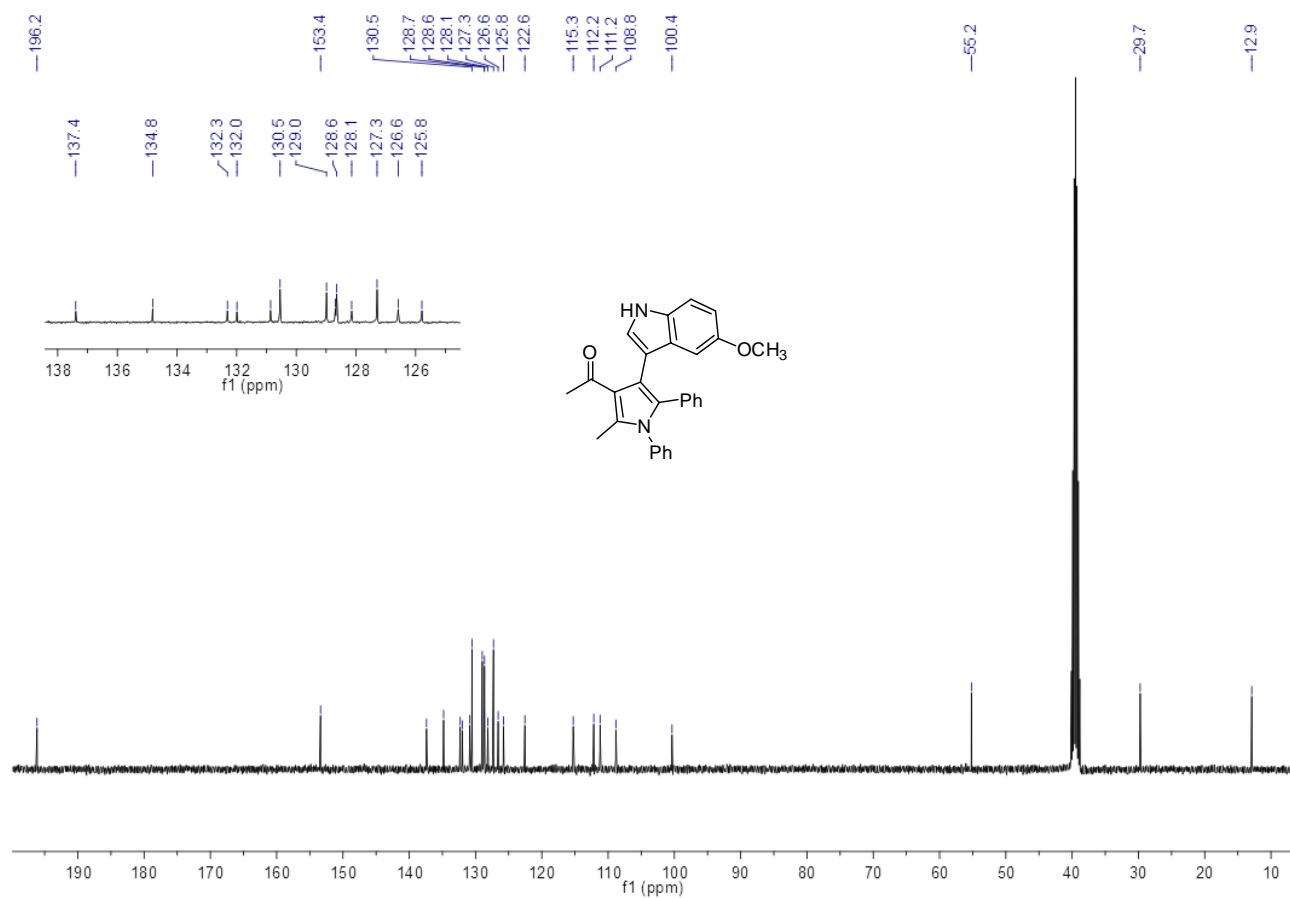
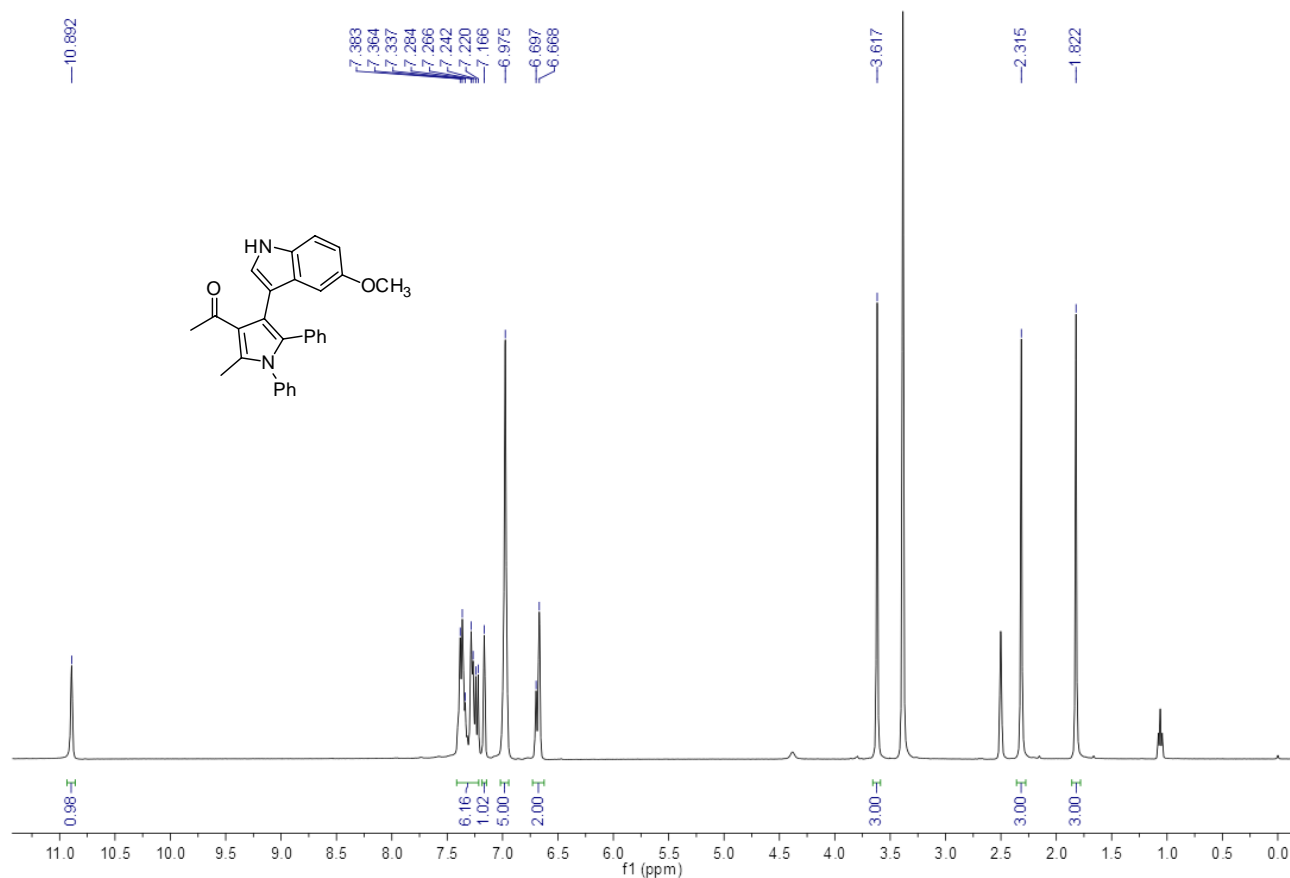


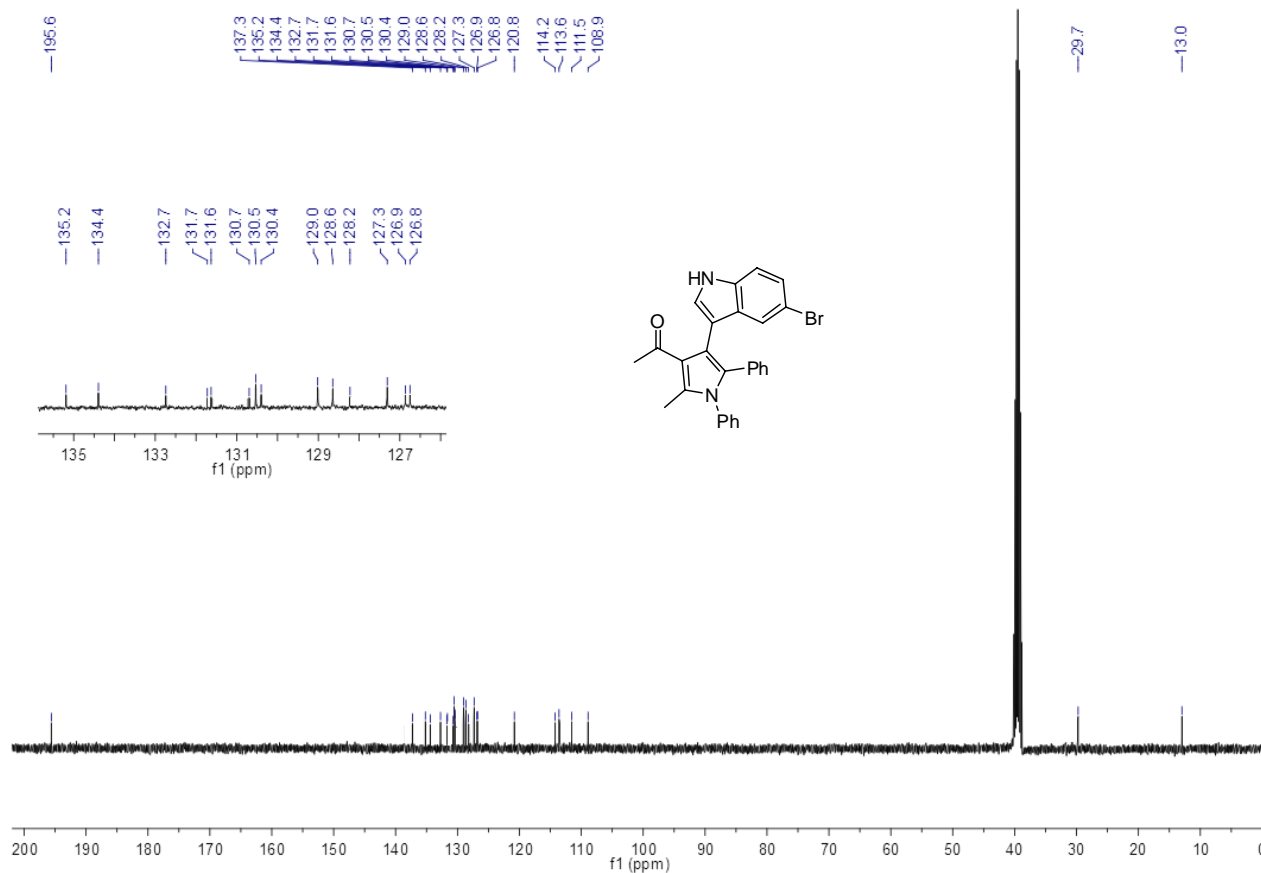
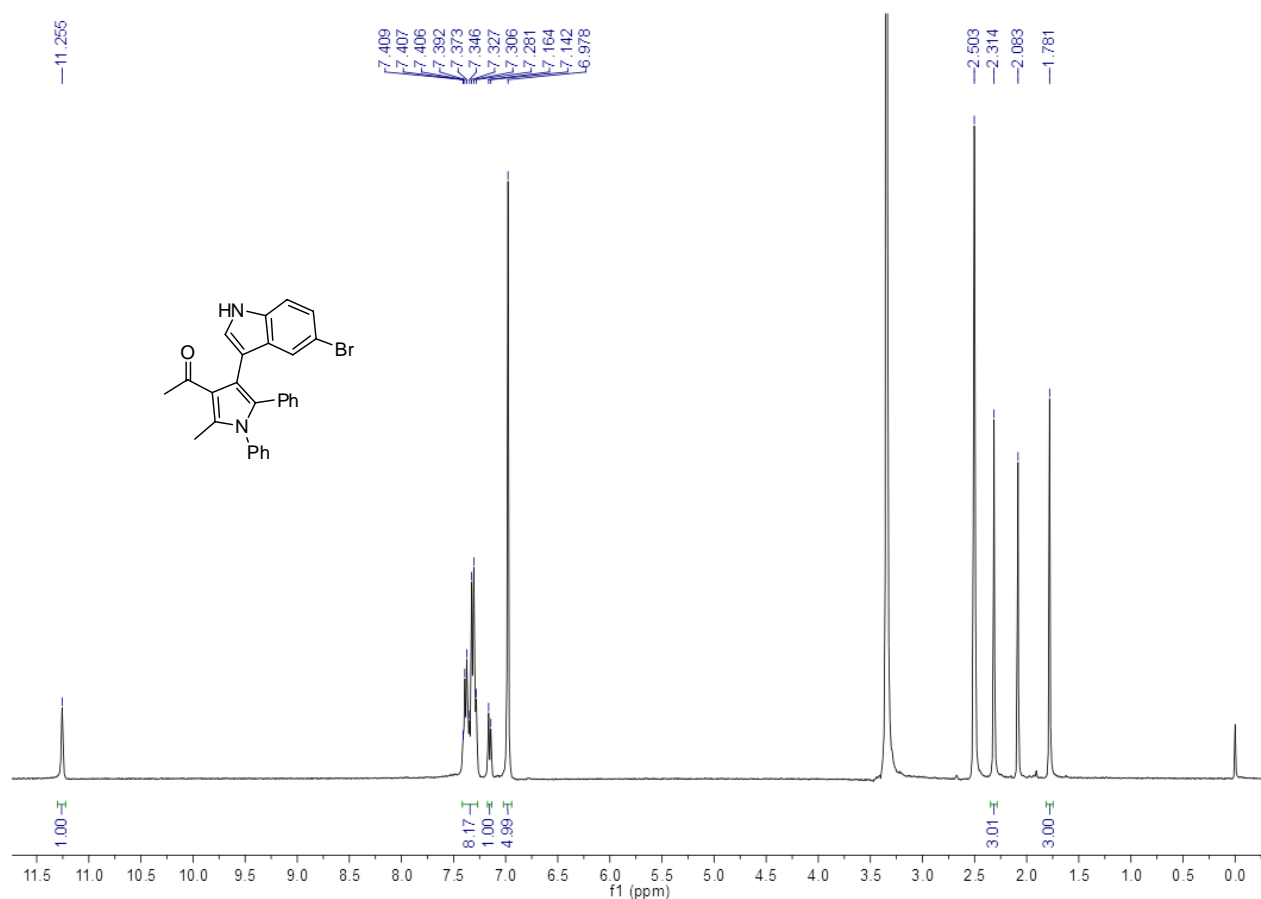
<sup>1</sup>H NMR Spectrum of Compound 4l



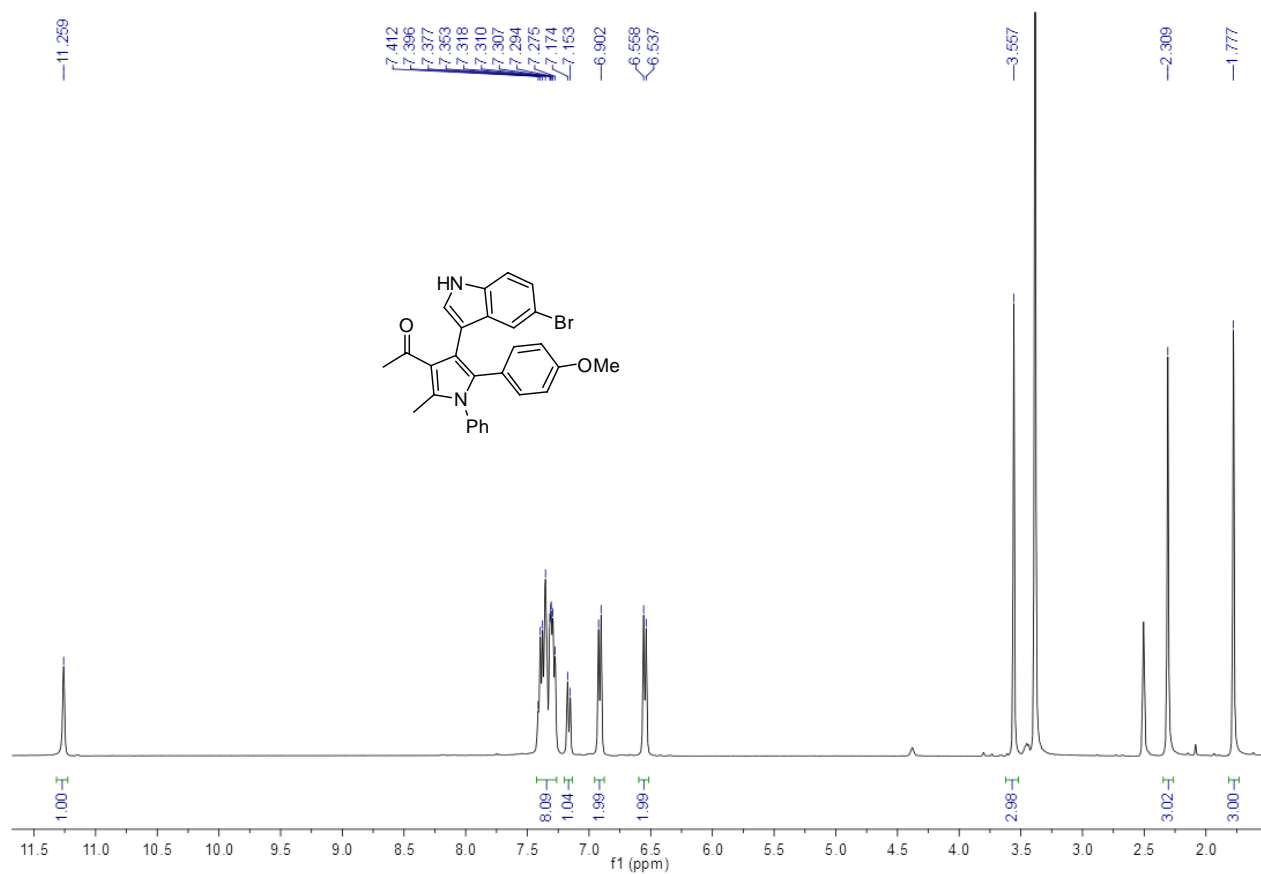
<sup>13</sup>C NMR Spectrum of Compound 4l



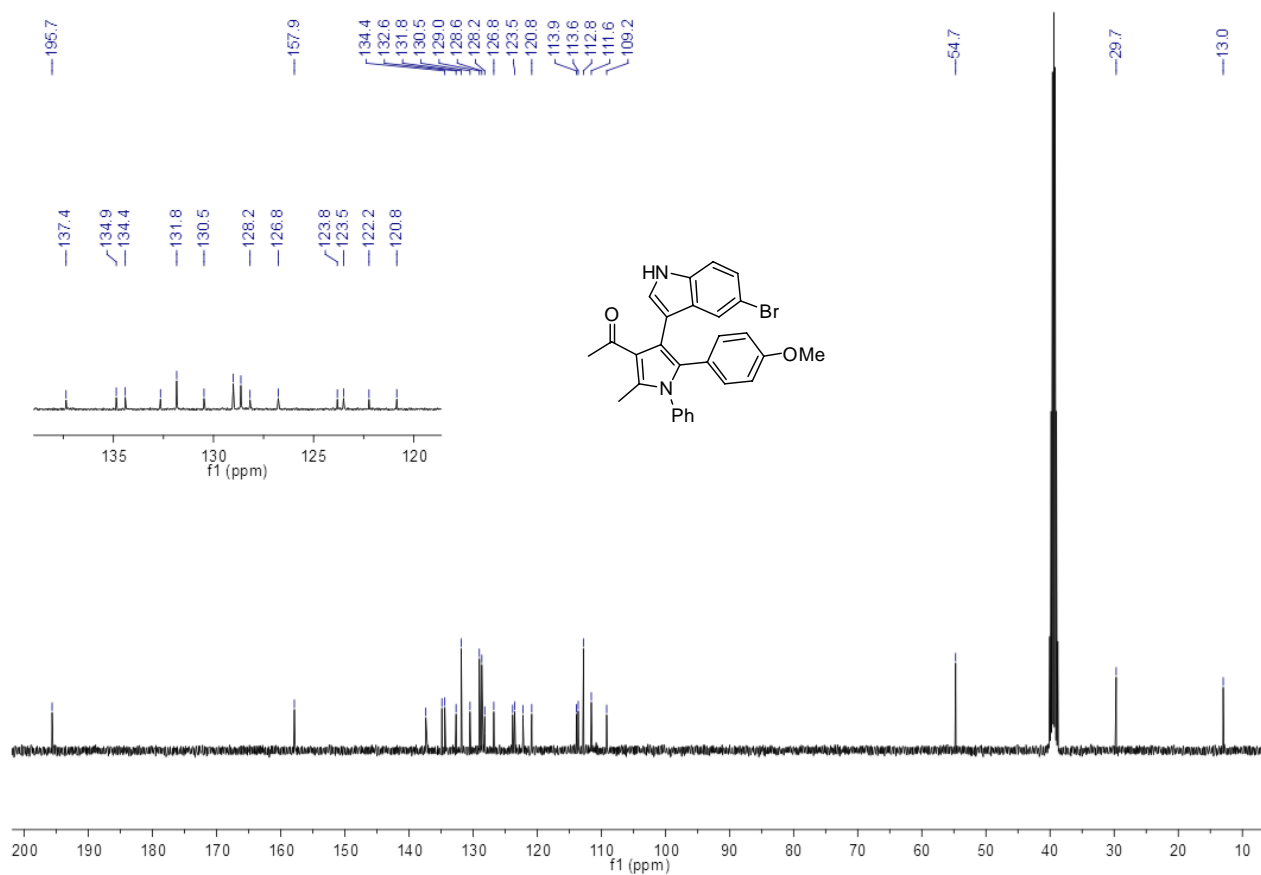




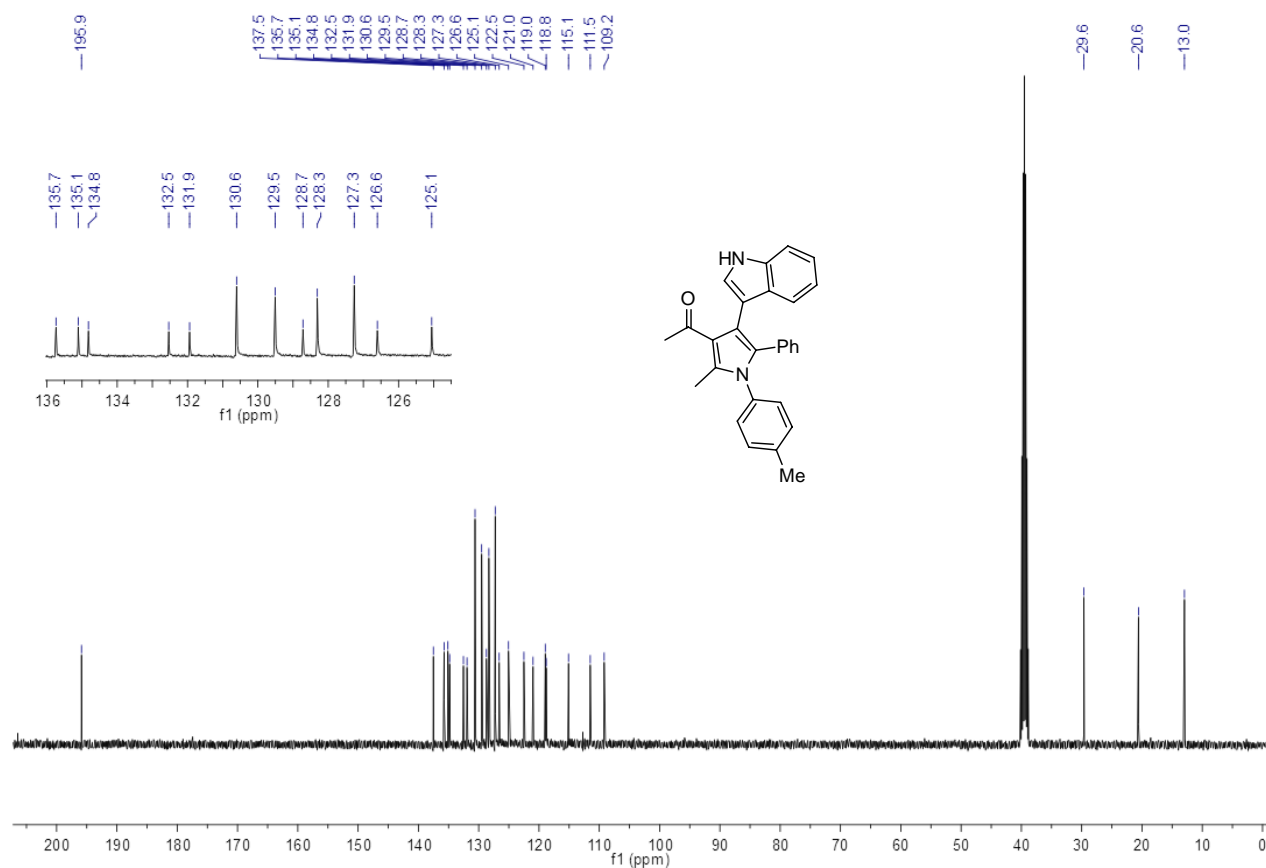
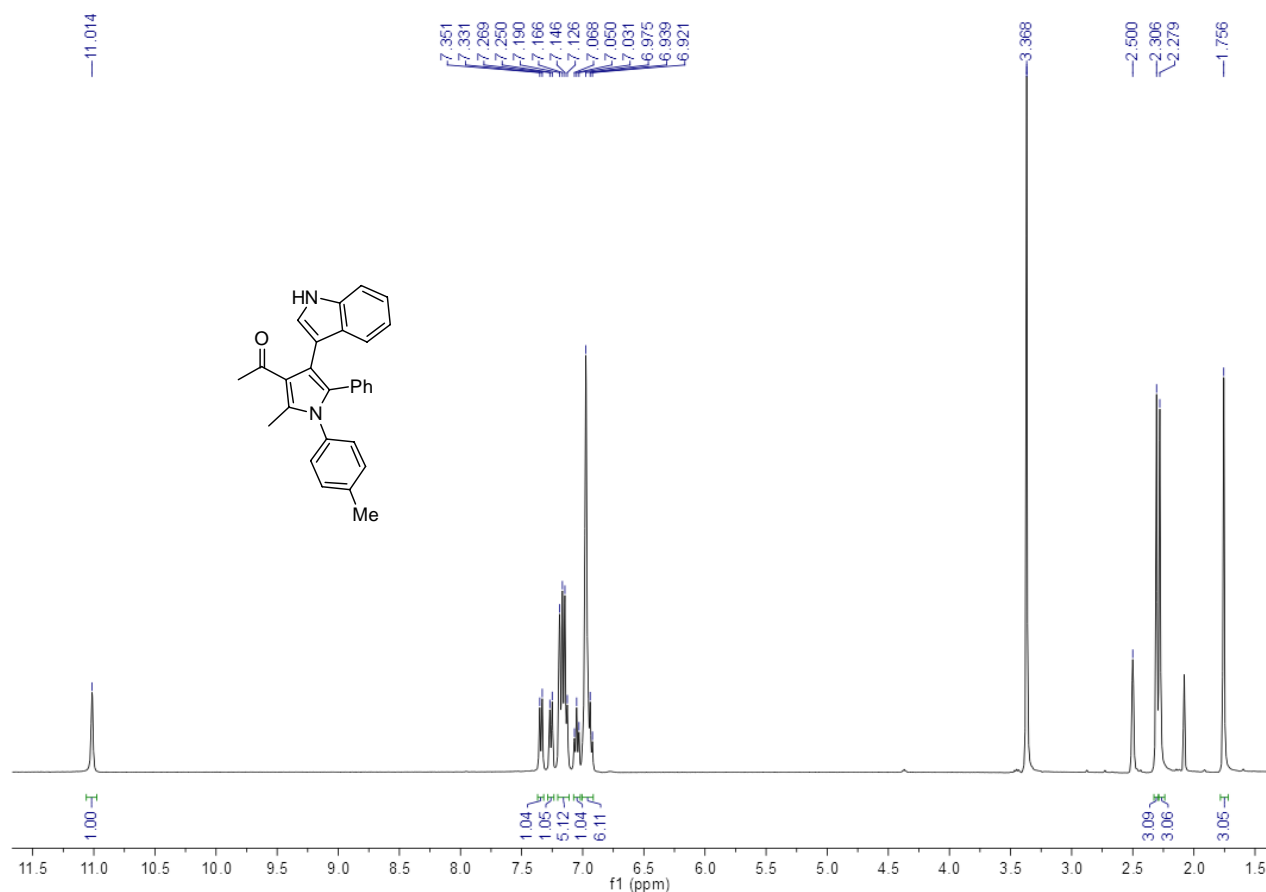


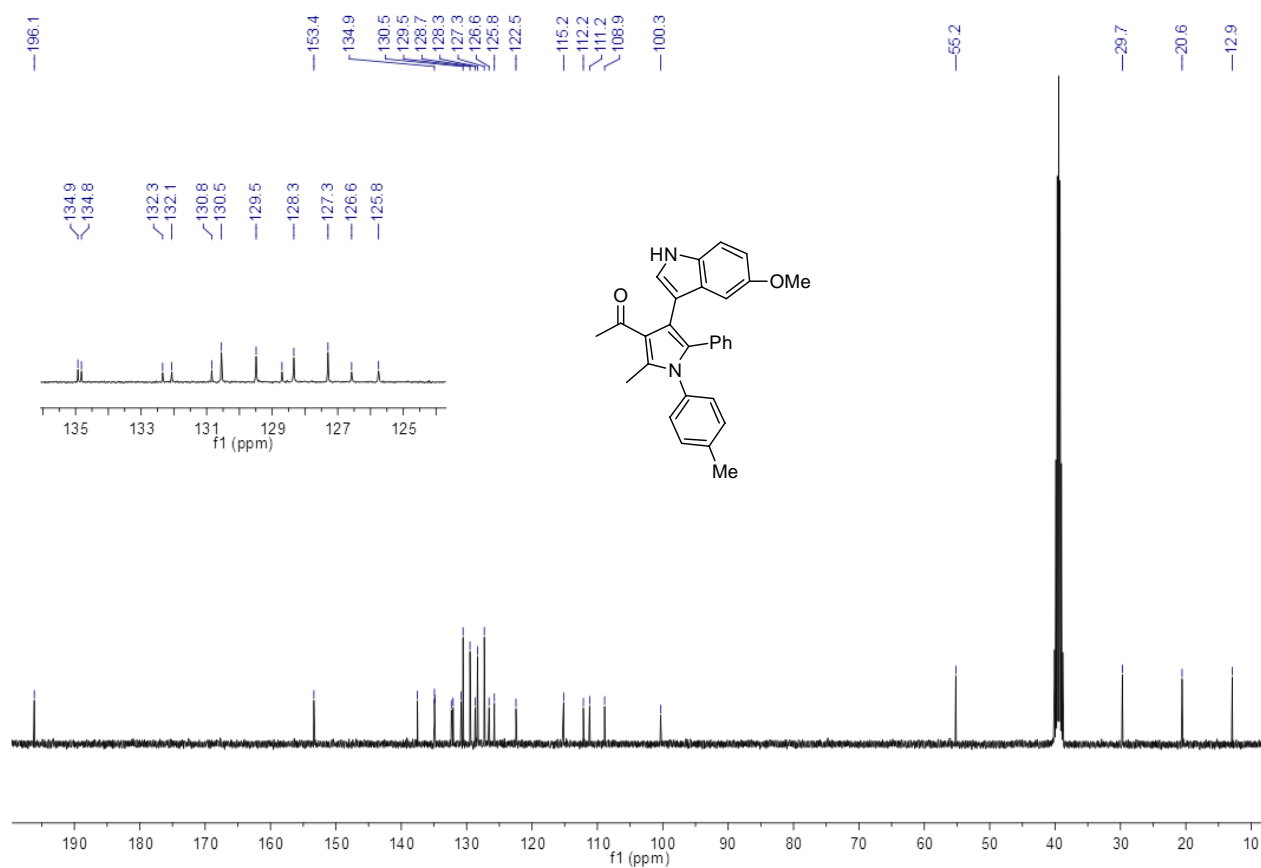
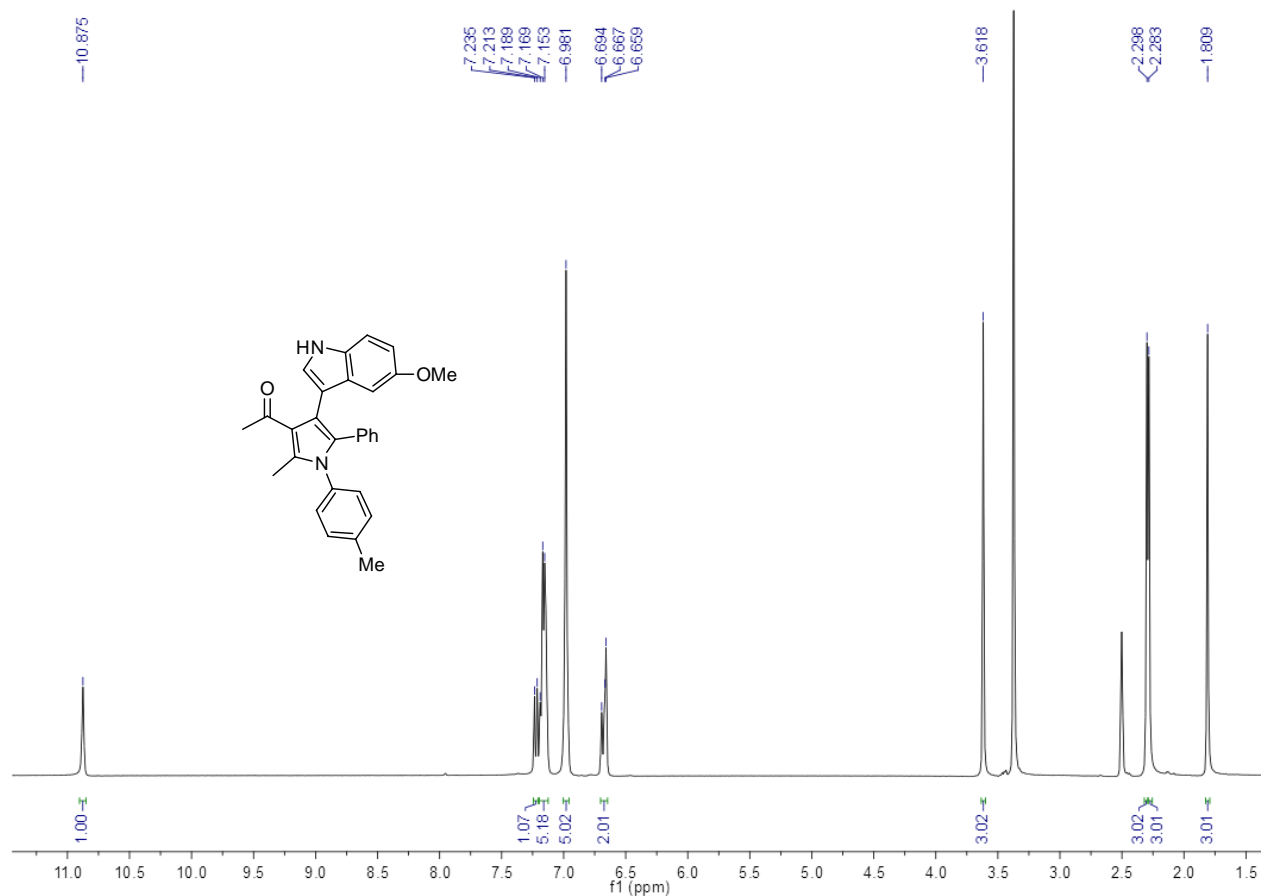


**<sup>1</sup>H NMR Spectrum of Compound 4p**

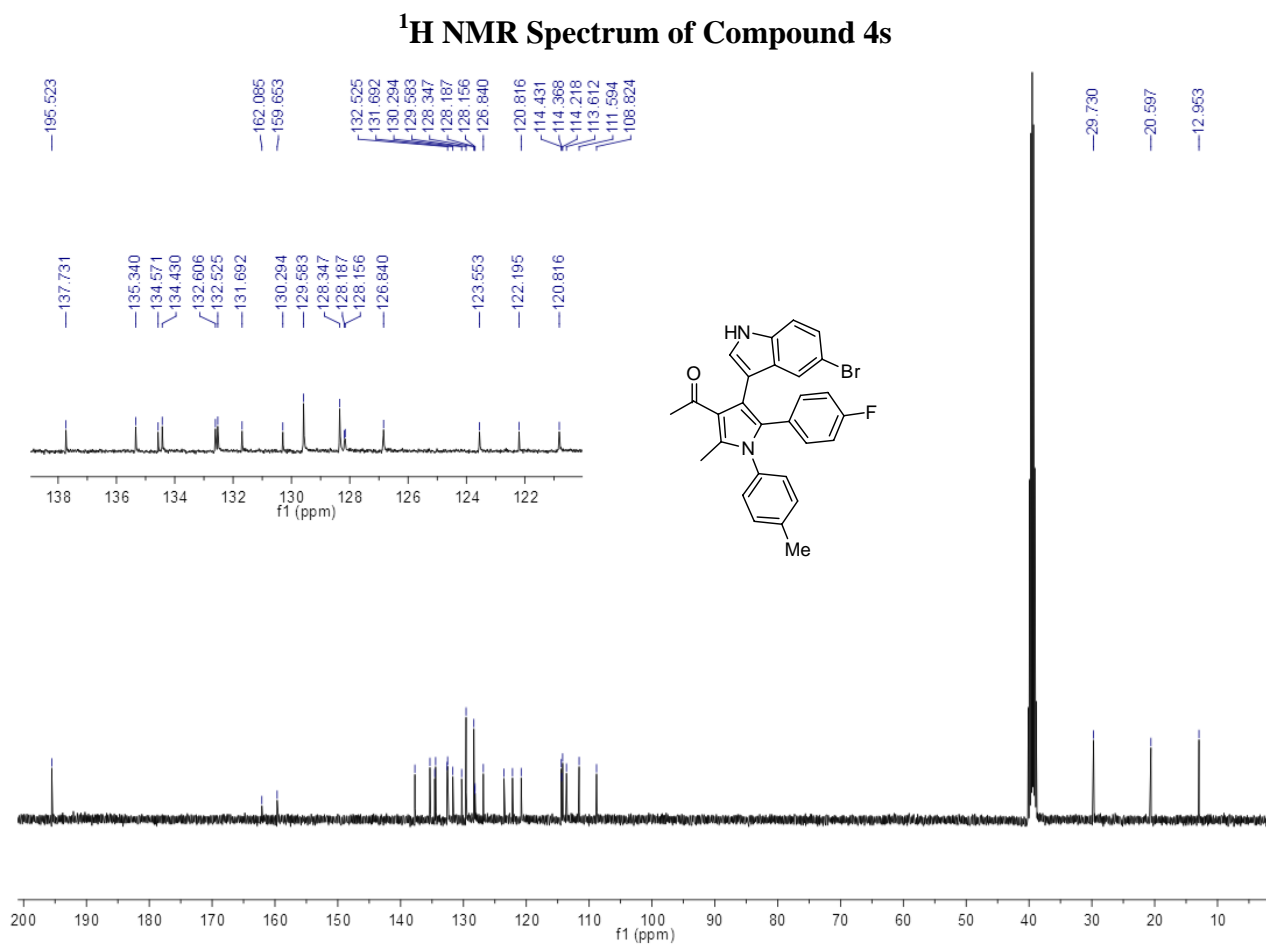
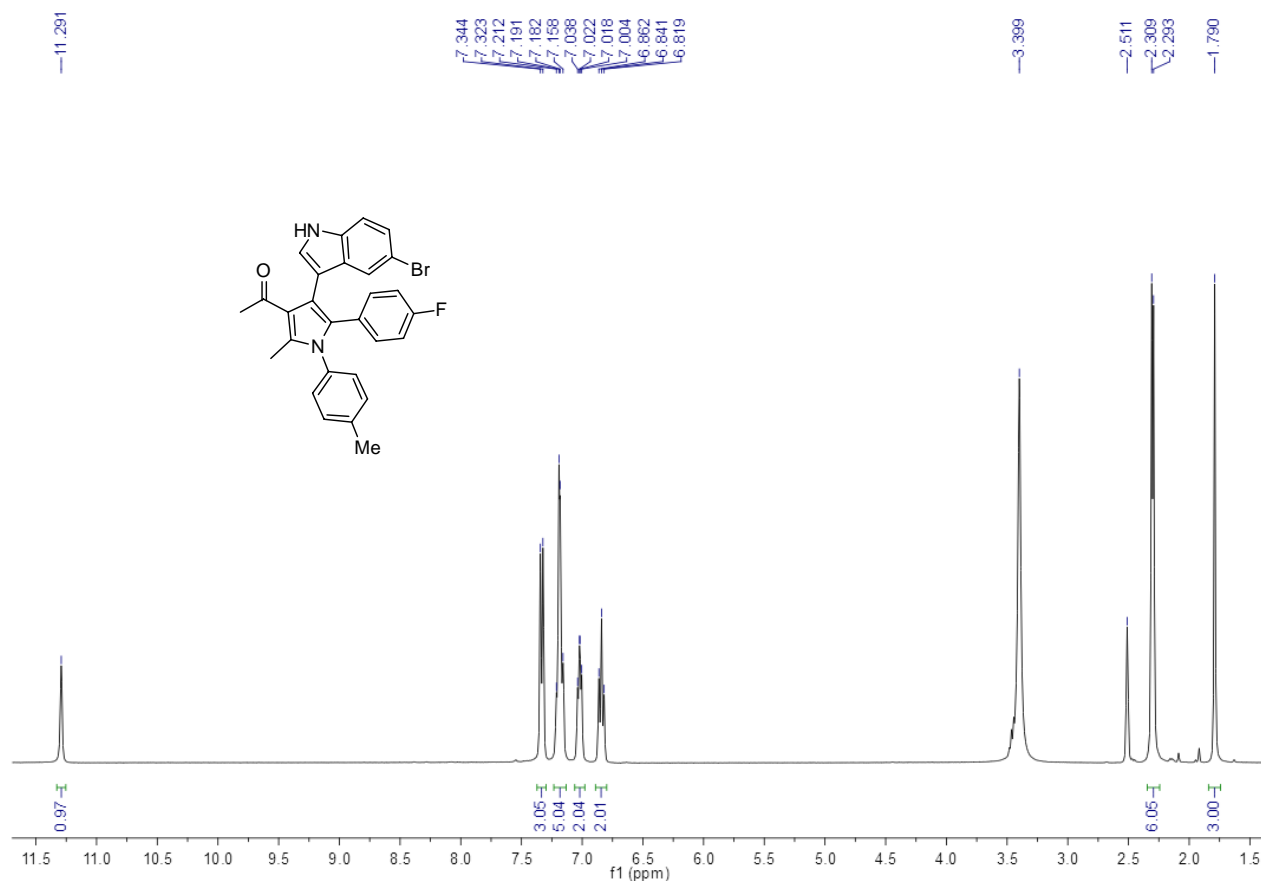


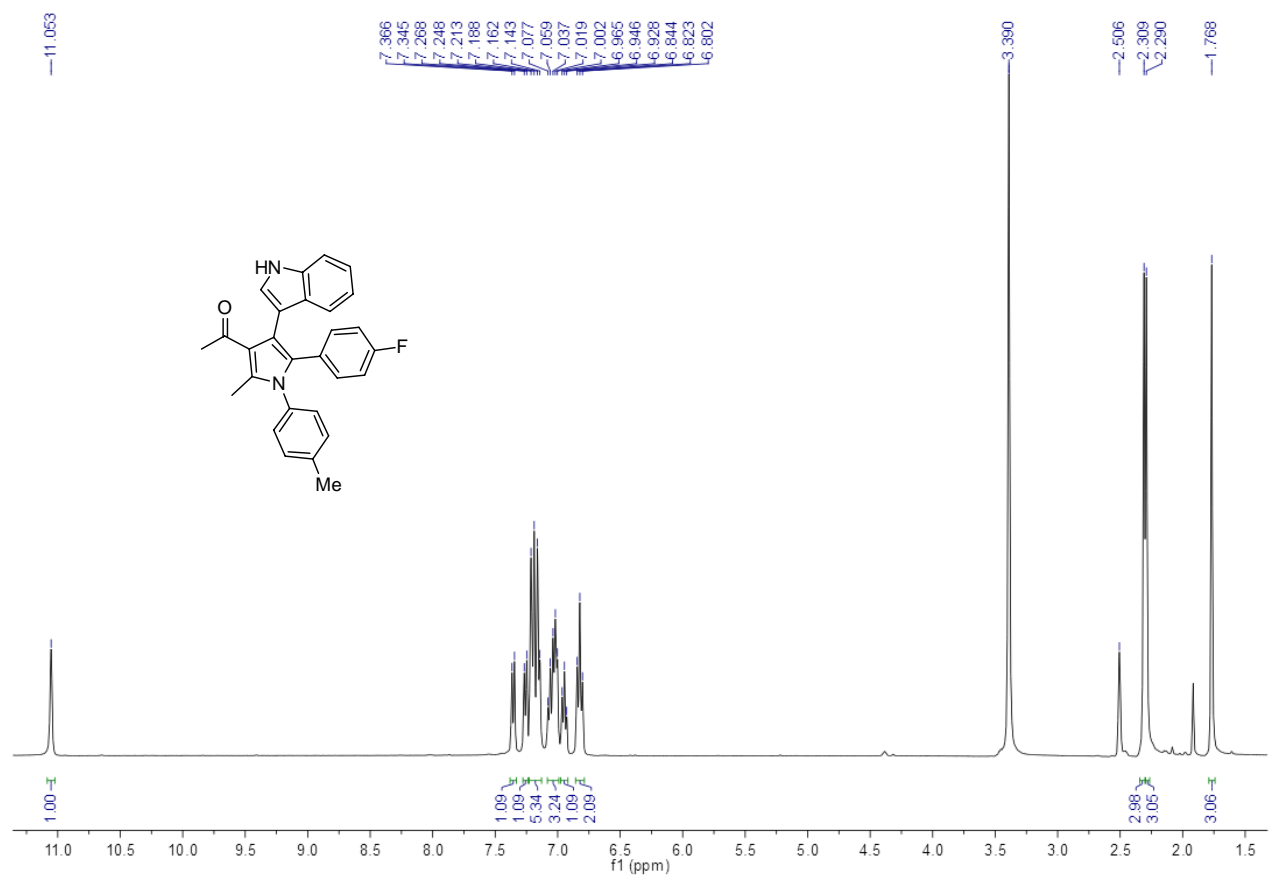
**<sup>13</sup>C NMR Spectrum of Compound 4p**



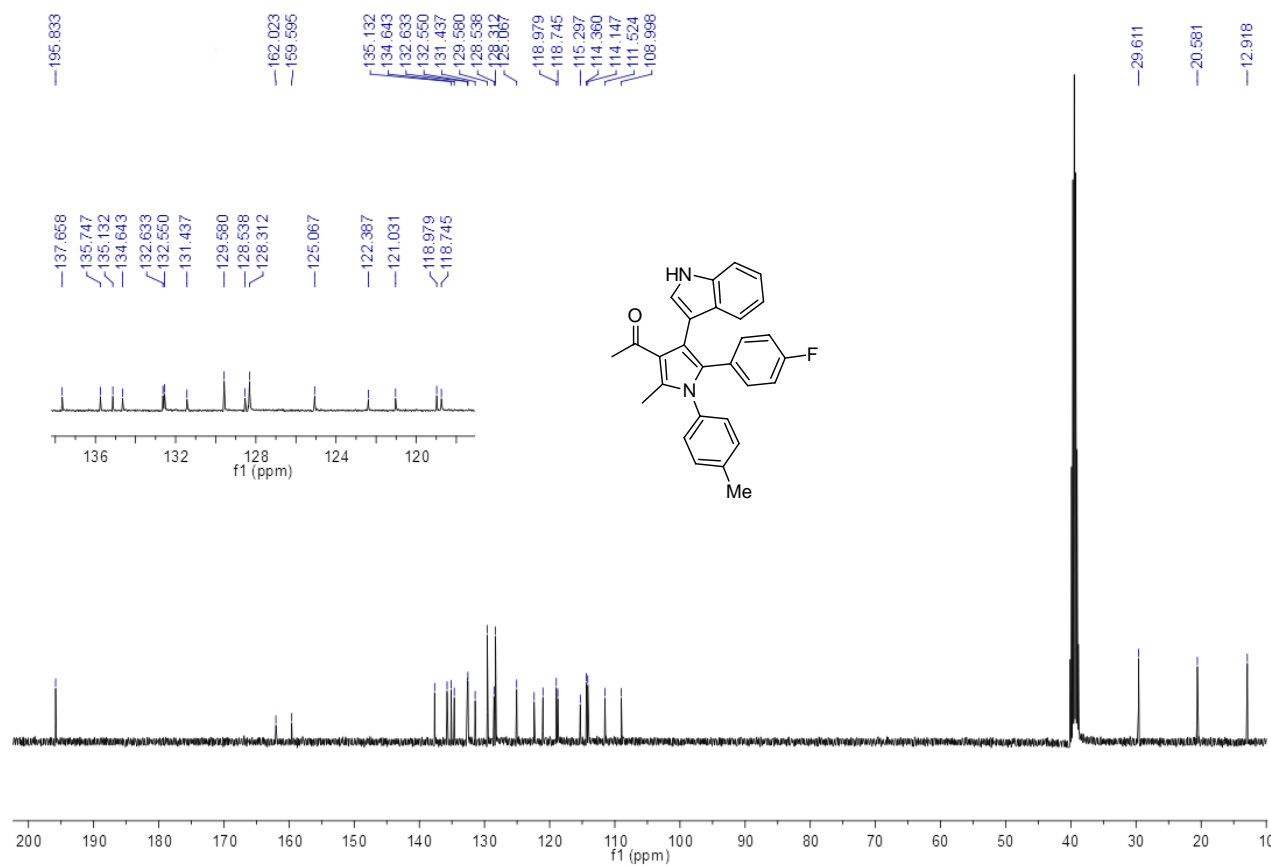


**<sup>13</sup>C NMR Spectrum of Compound 4r**

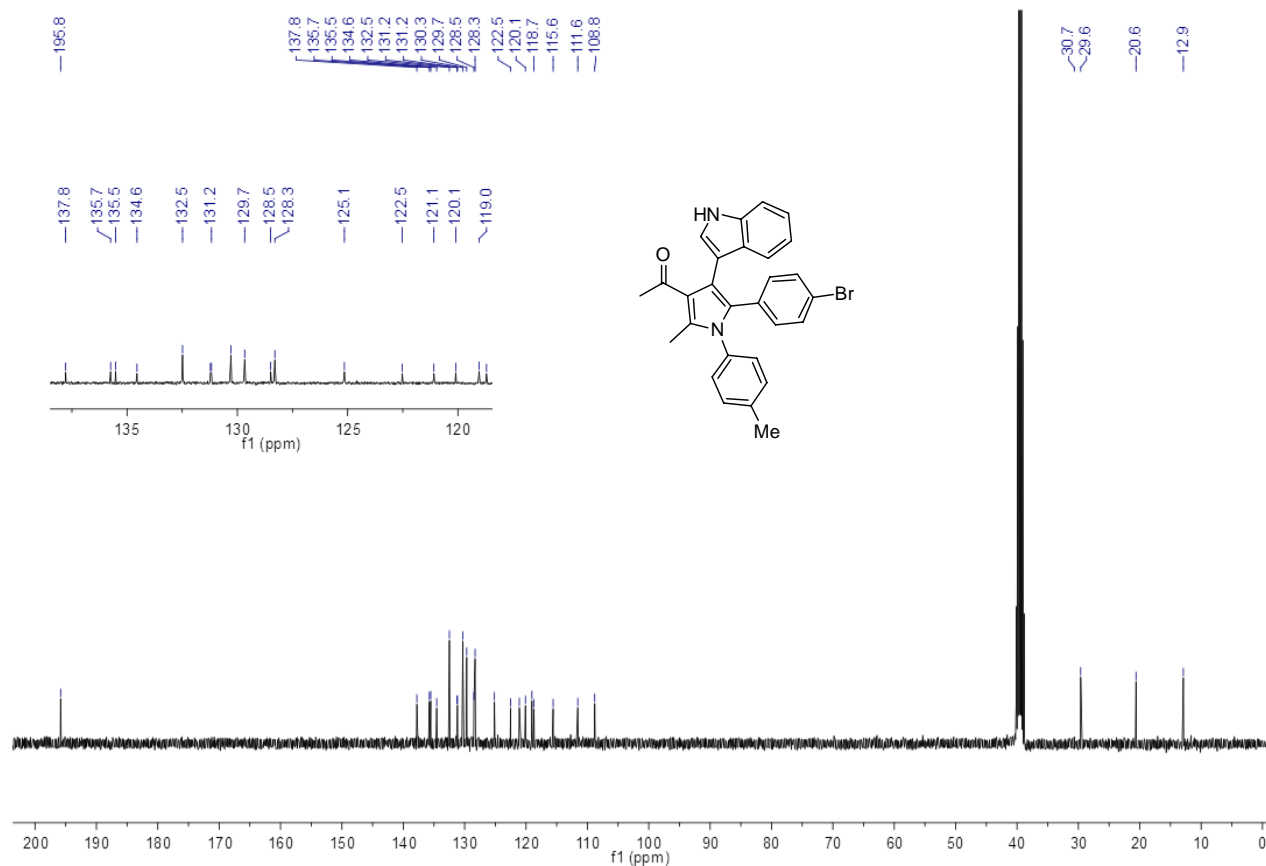
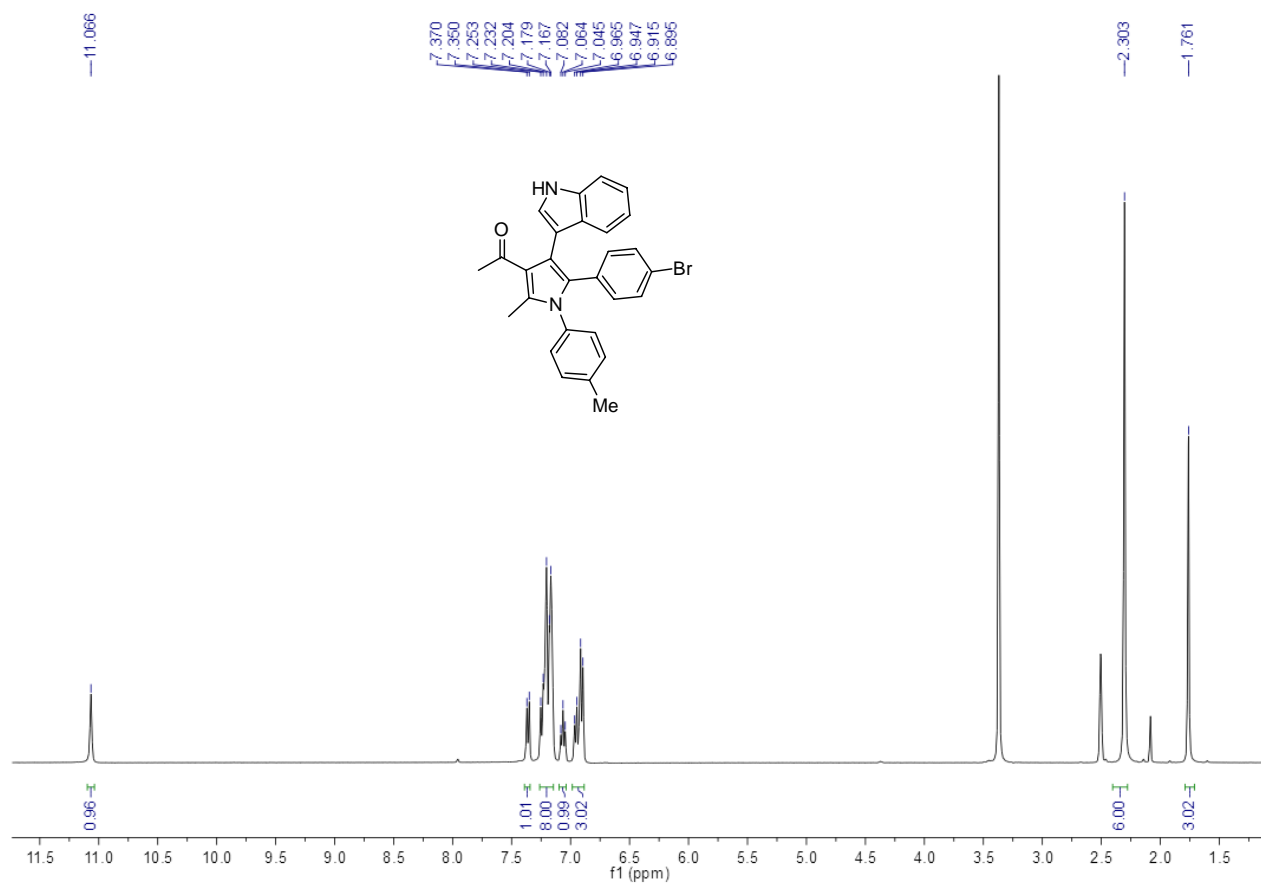




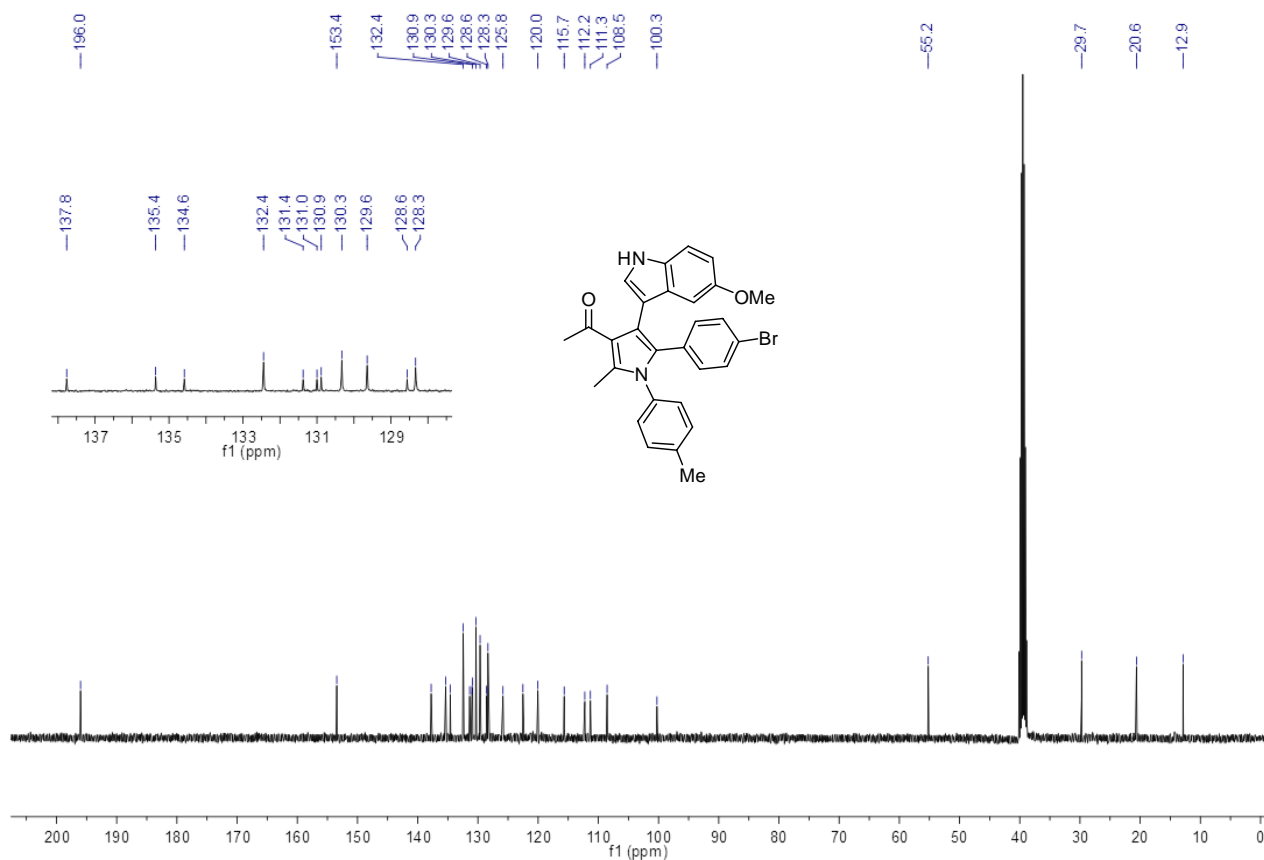
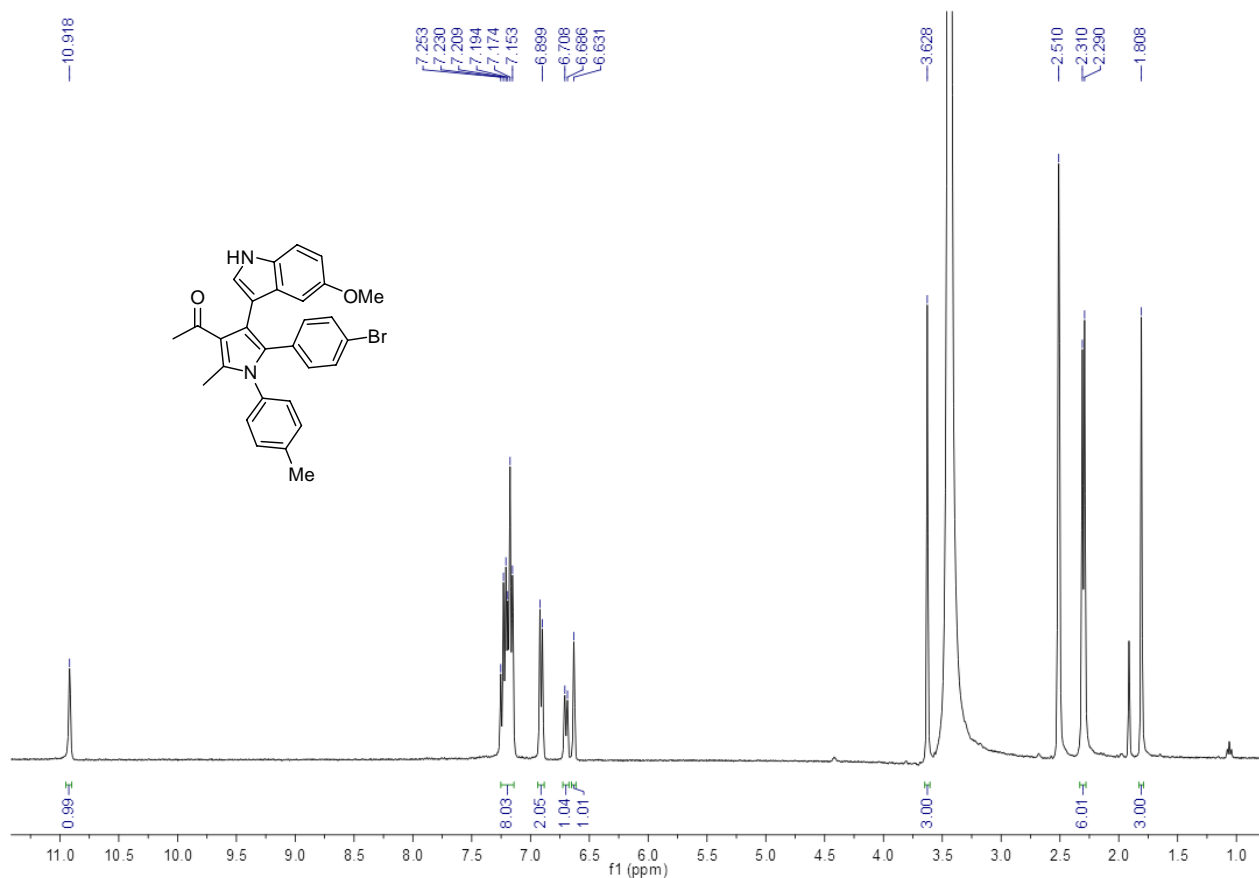
<sup>1</sup>H NMR Spectrum of Compound 4t

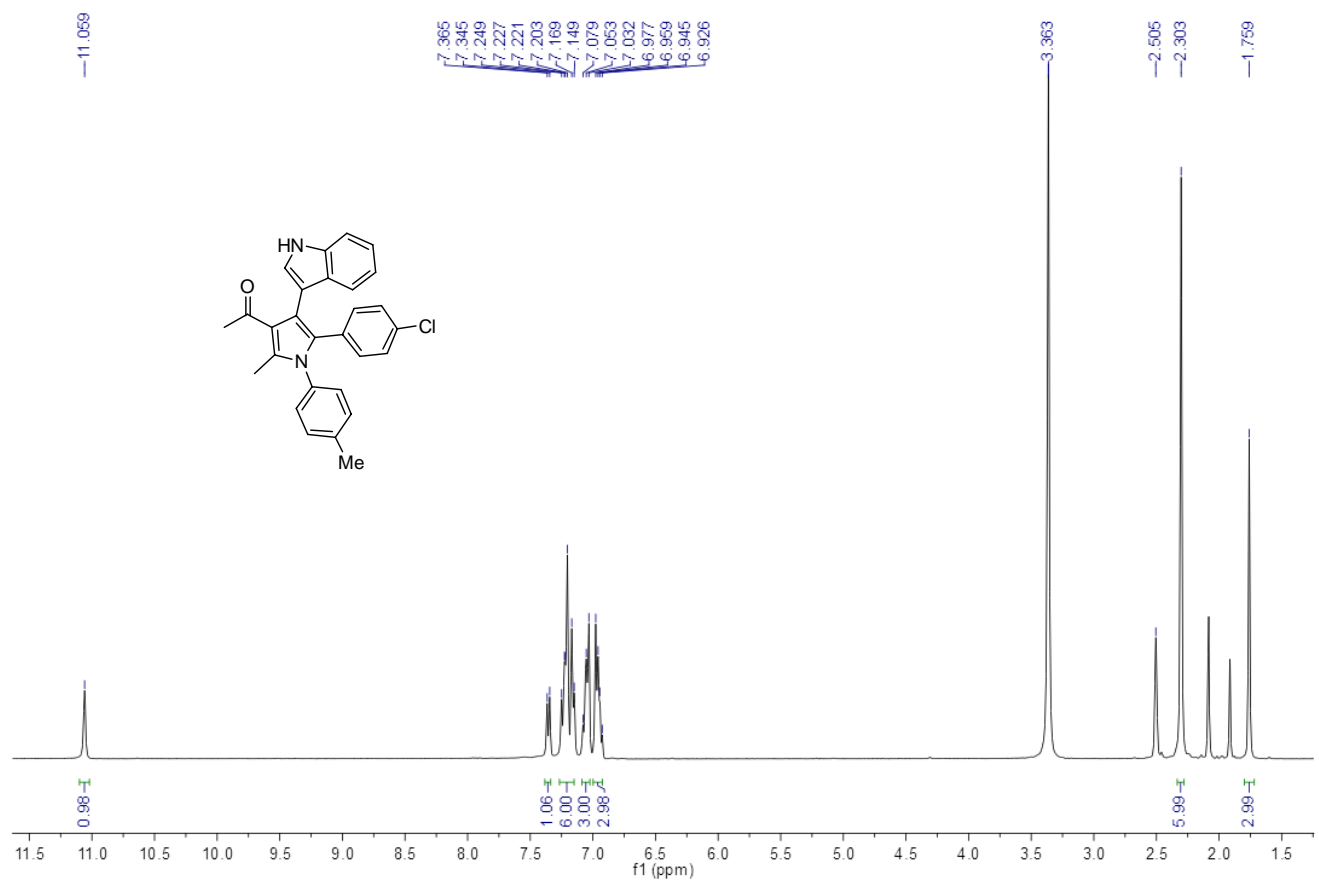


<sup>13</sup>C NMR Spectrum of Compound 4t

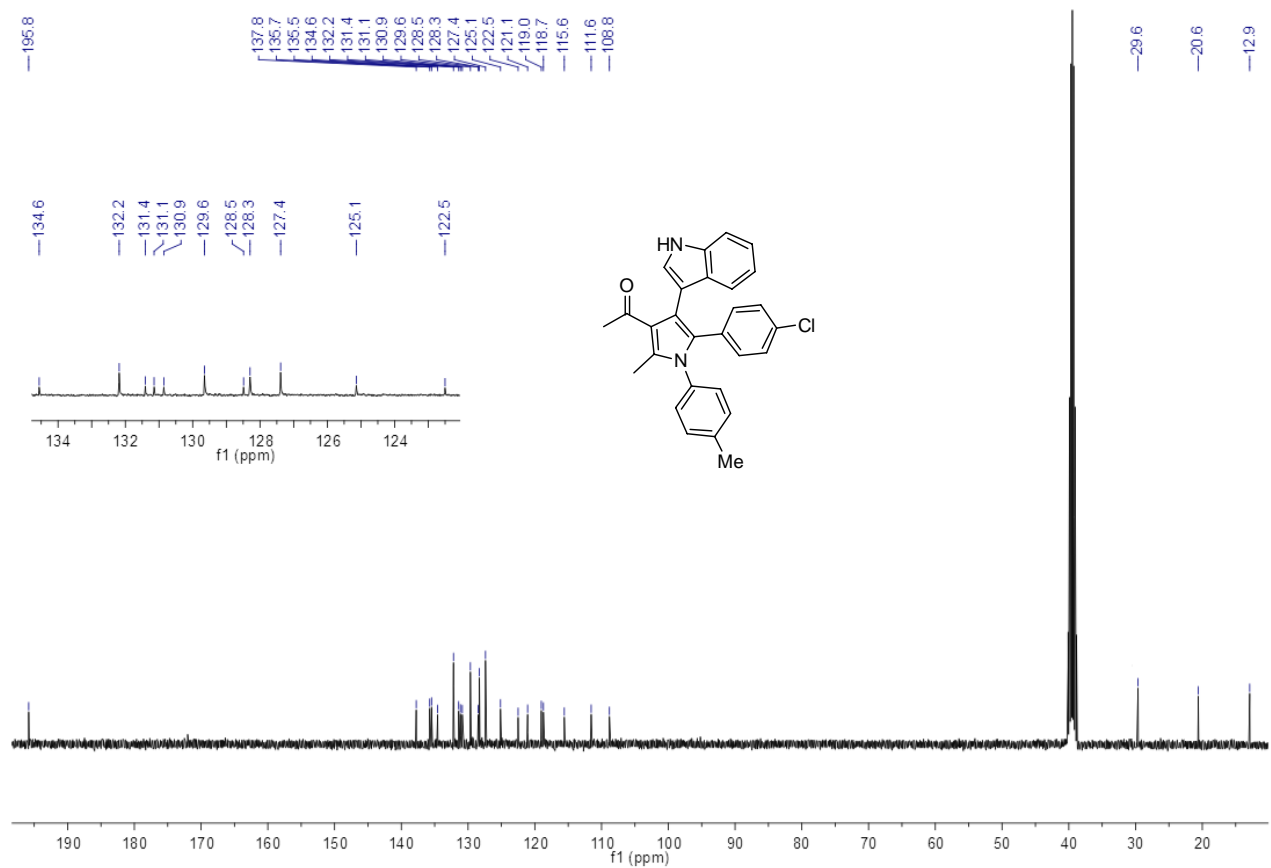


**<sup>13</sup>C NMR Spectrum of Compound 4u**



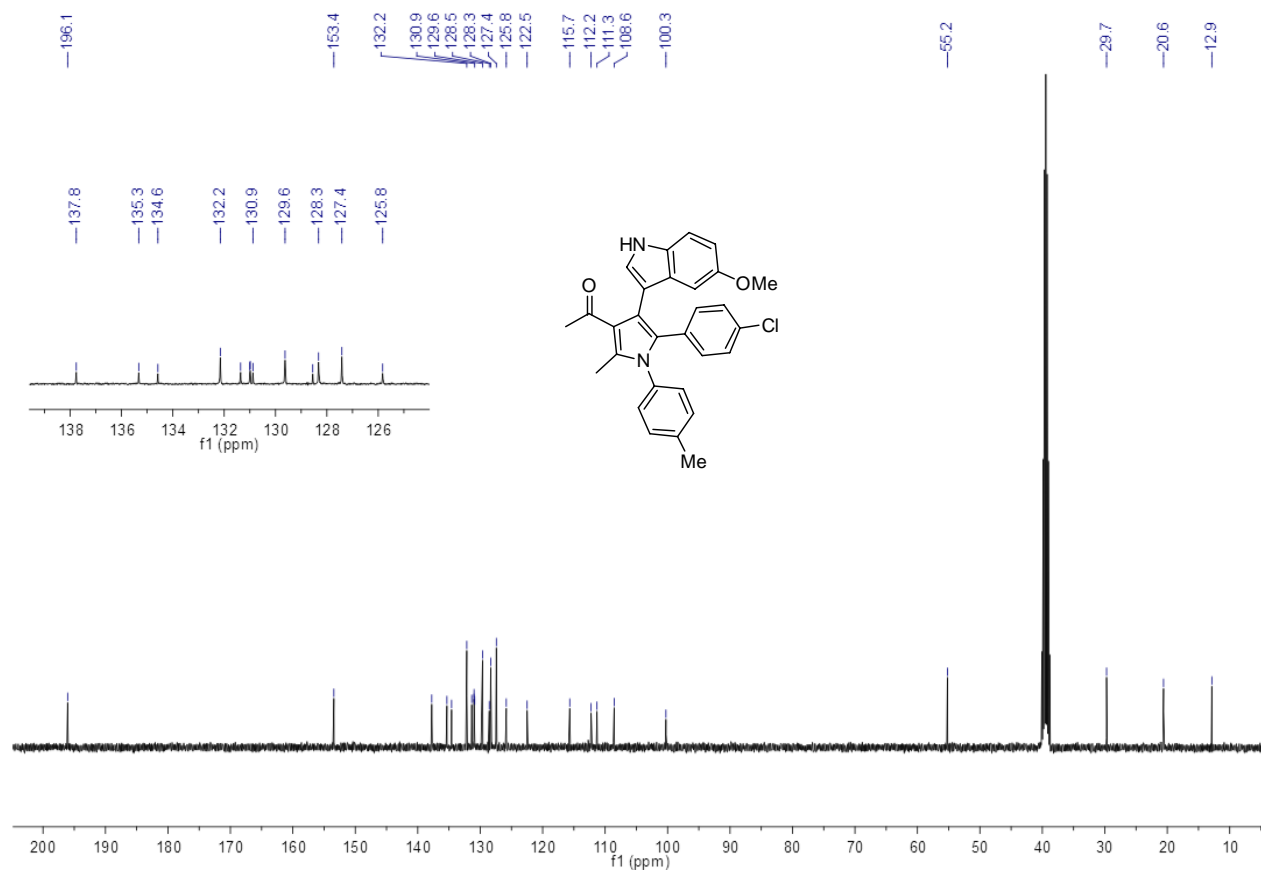
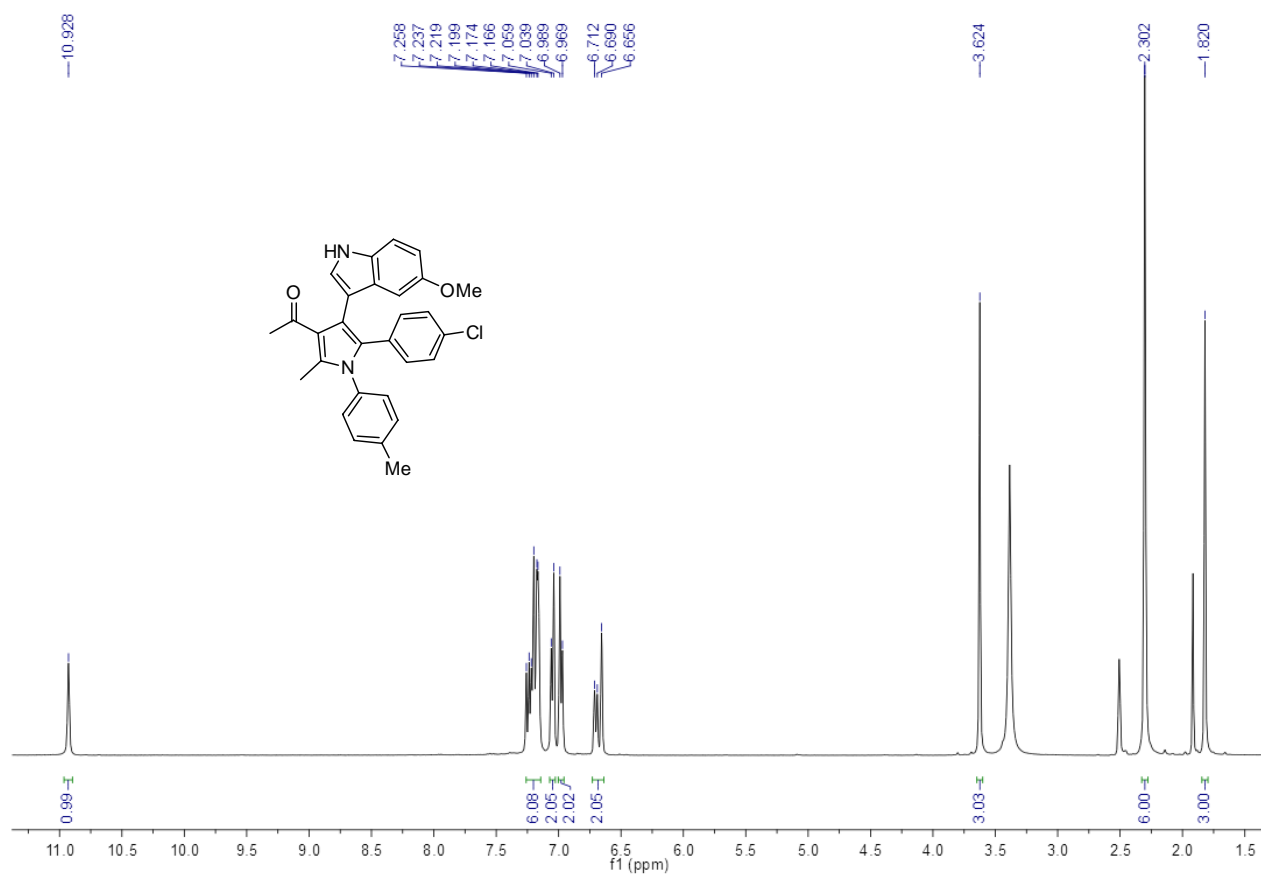


<sup>1</sup>H NMR Spectrum of Compound 4w

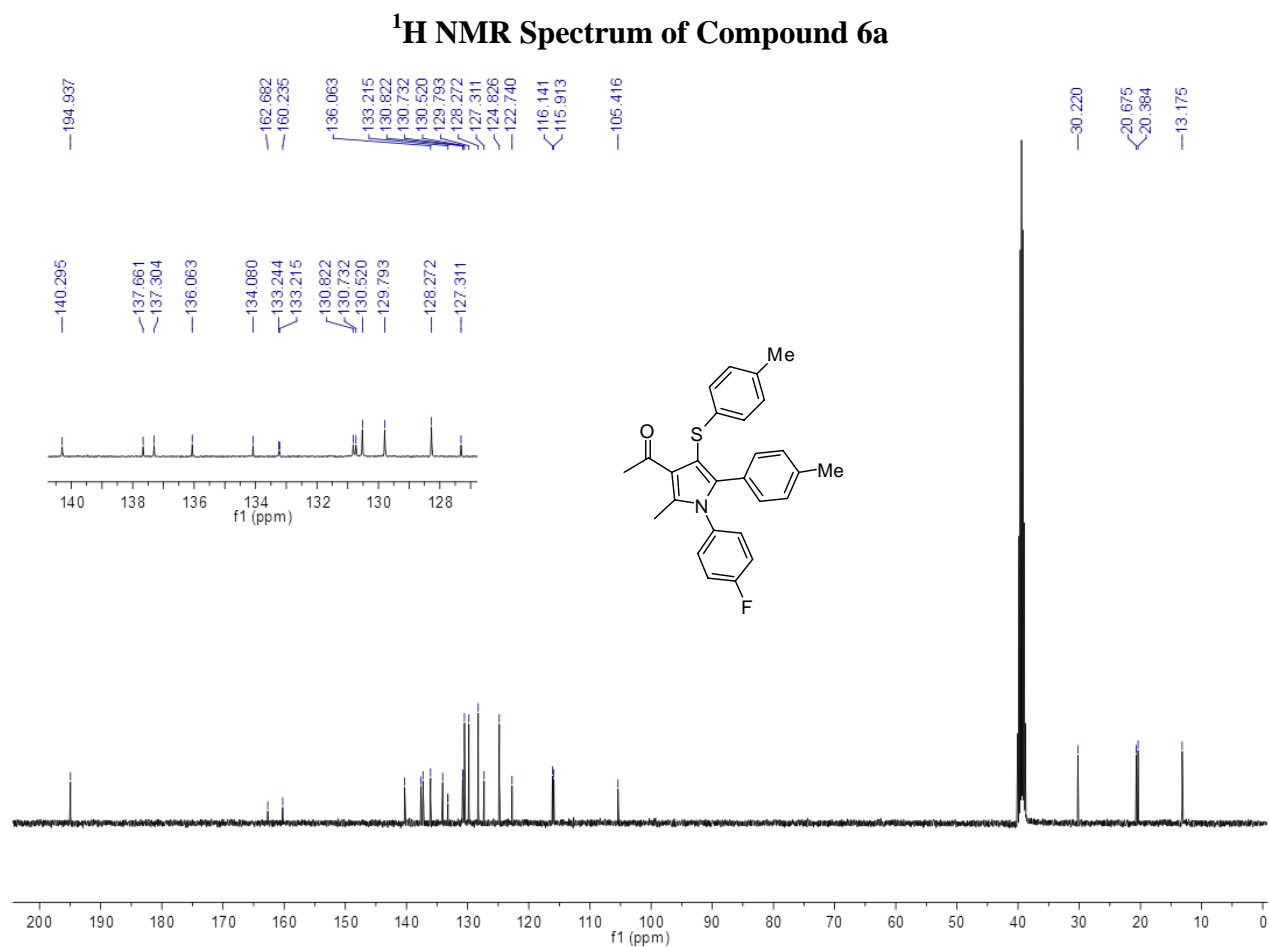
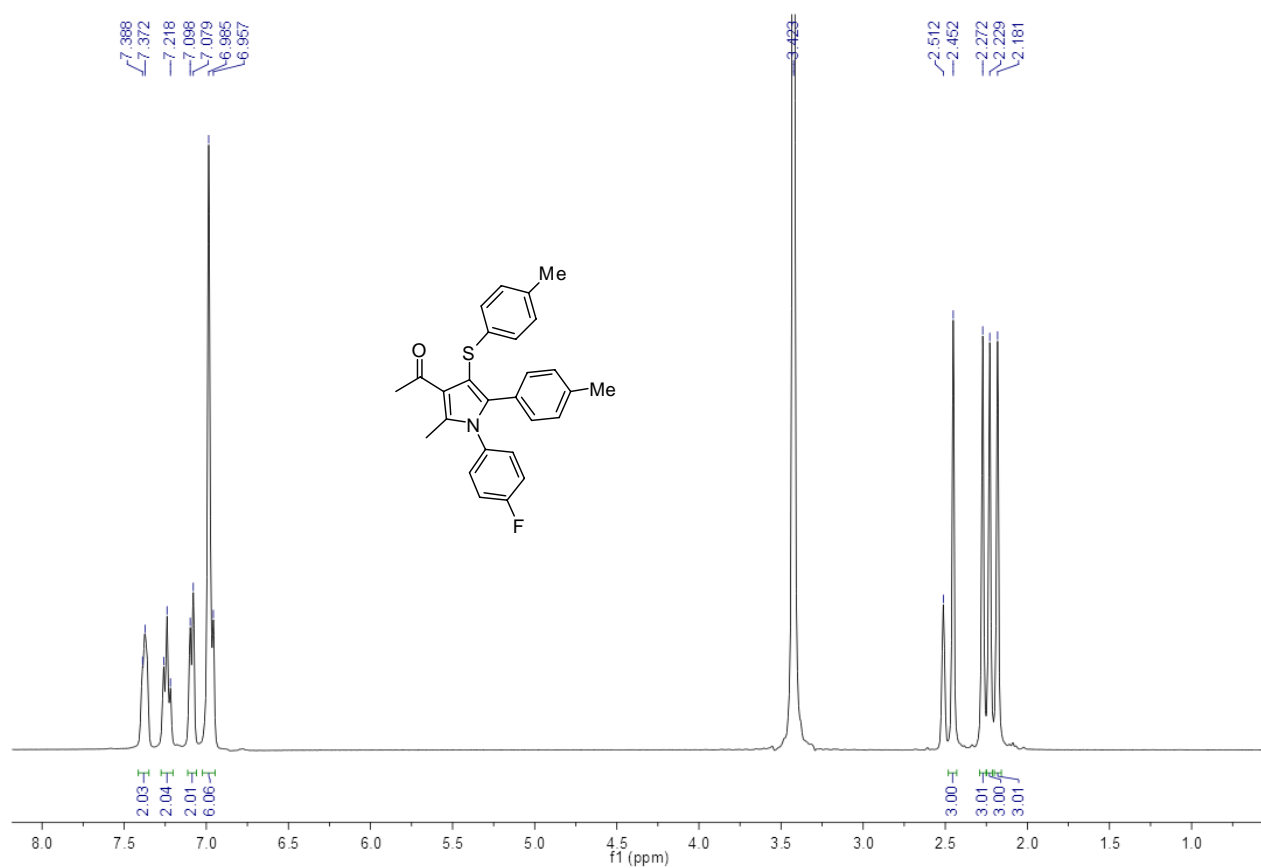


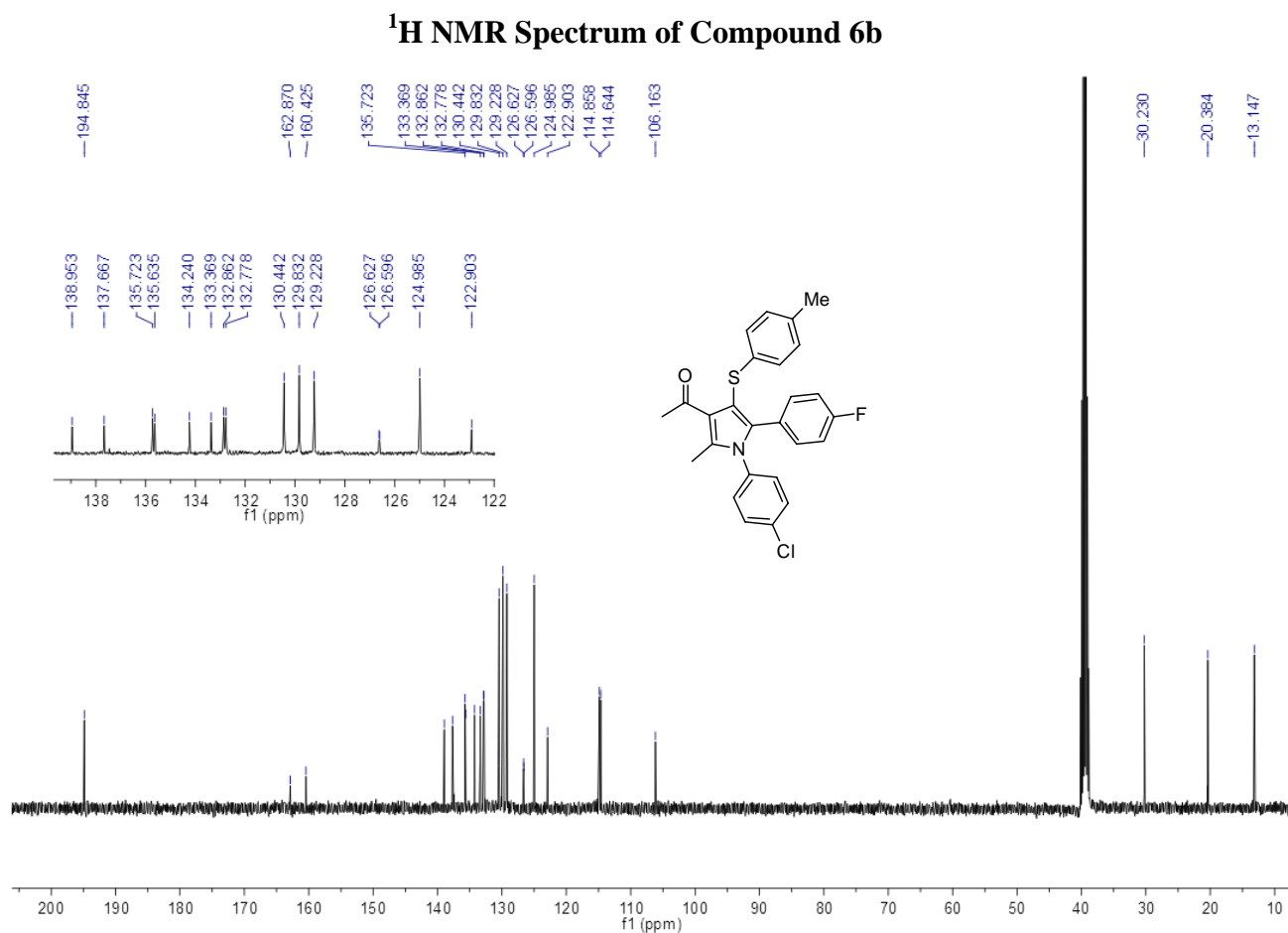
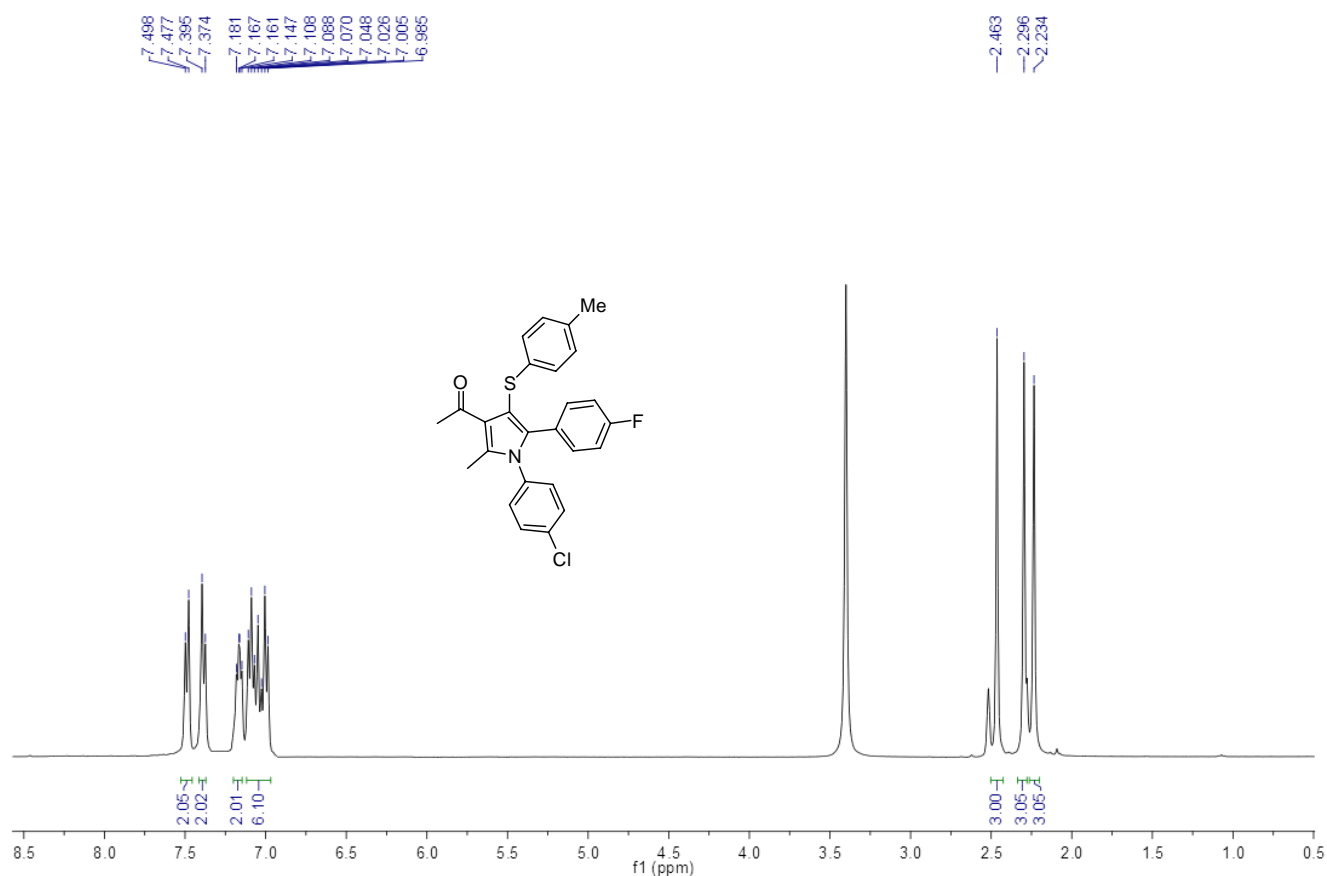
<sup>13</sup>C NMR Spectrum of Compound 4w

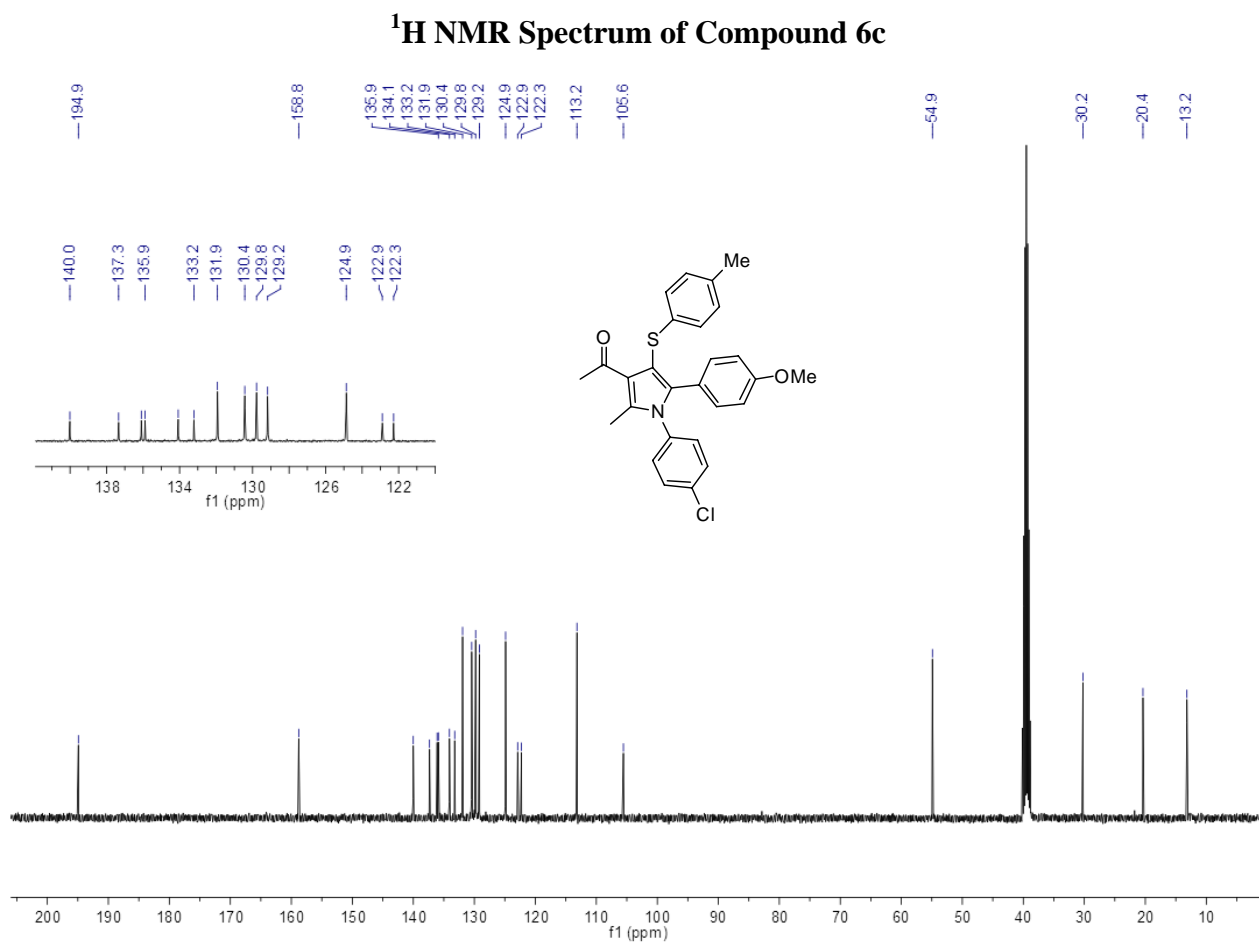
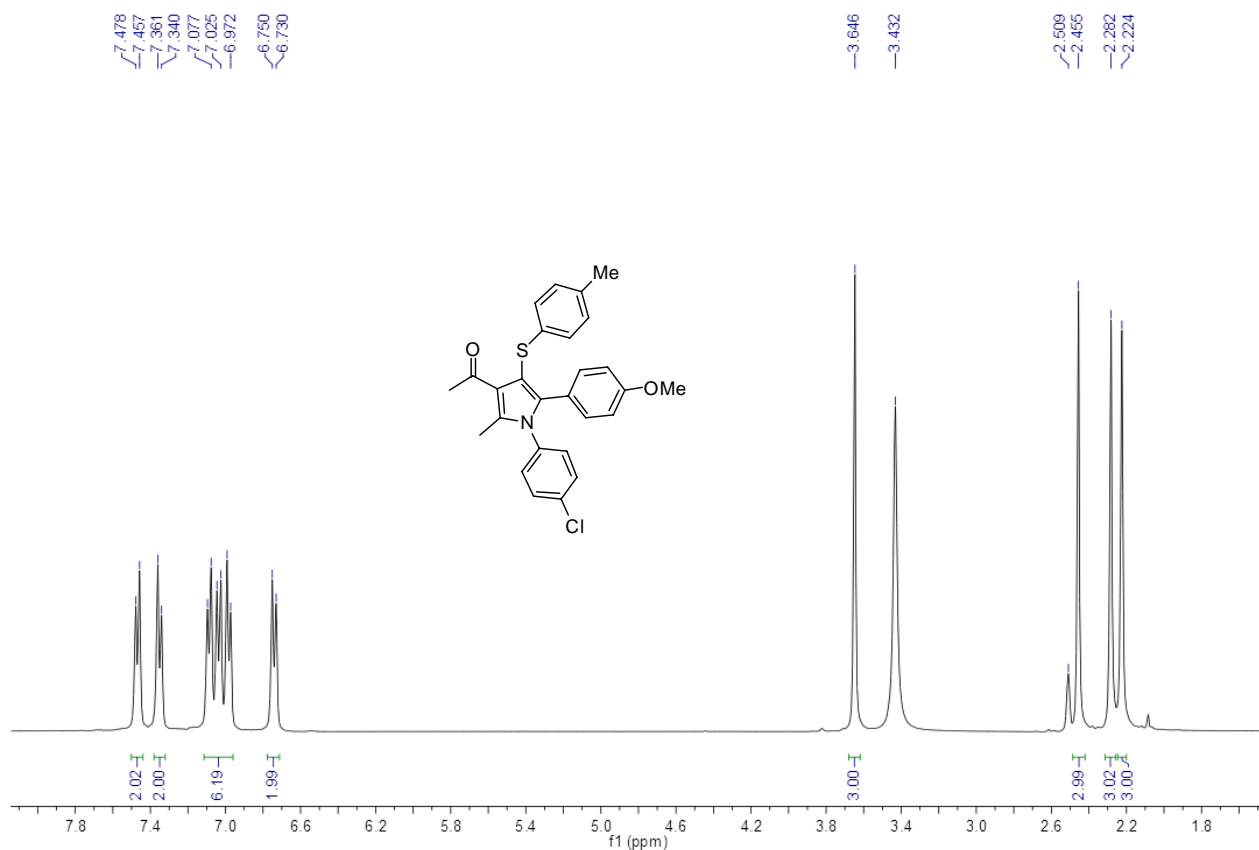


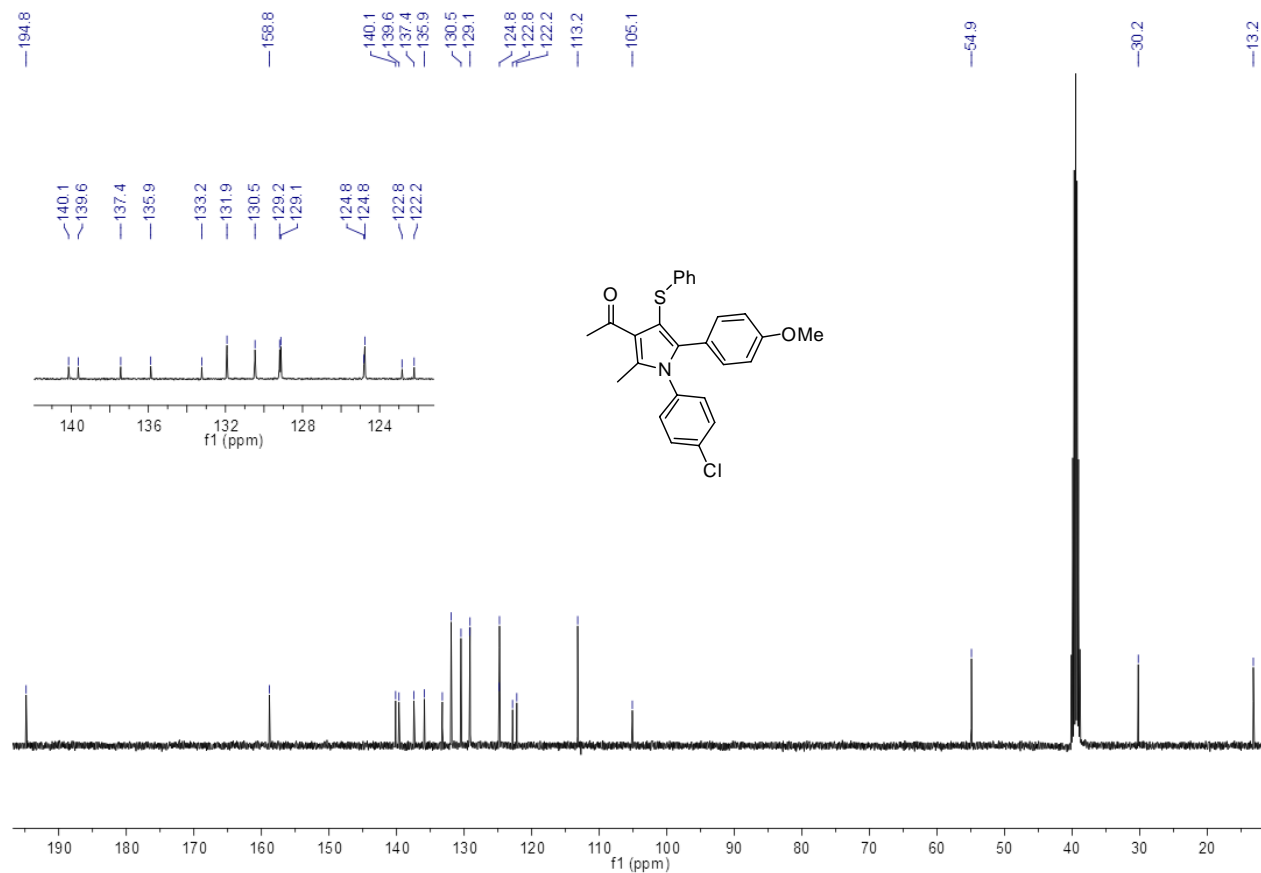
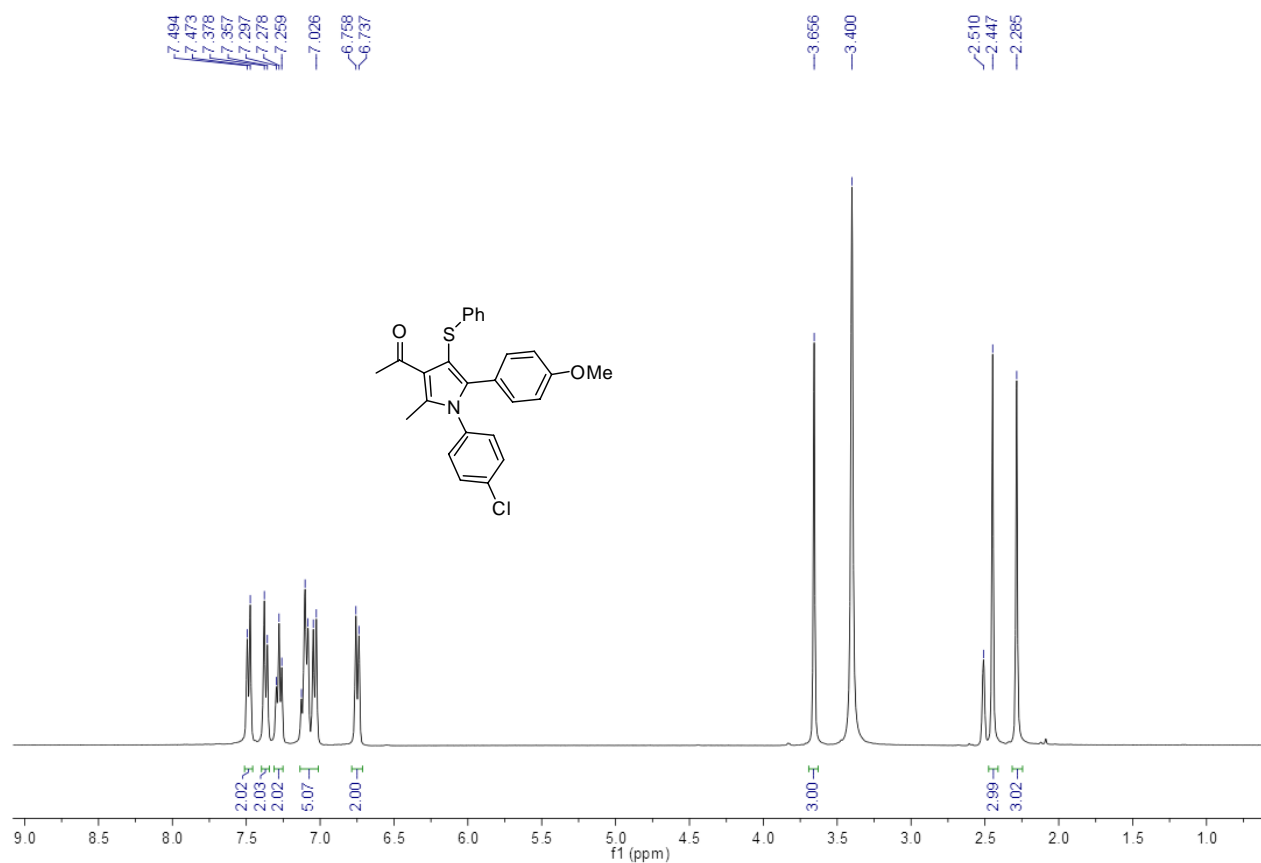


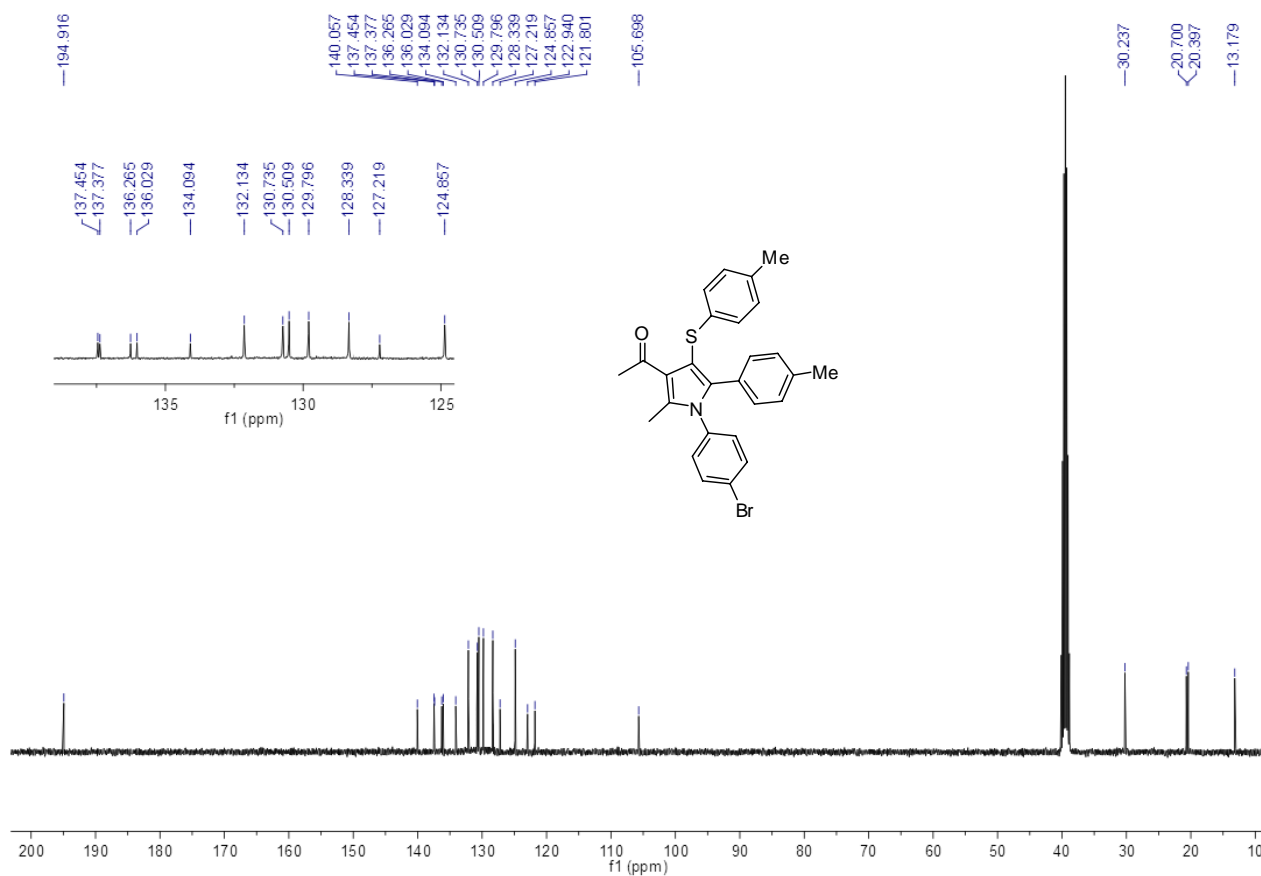
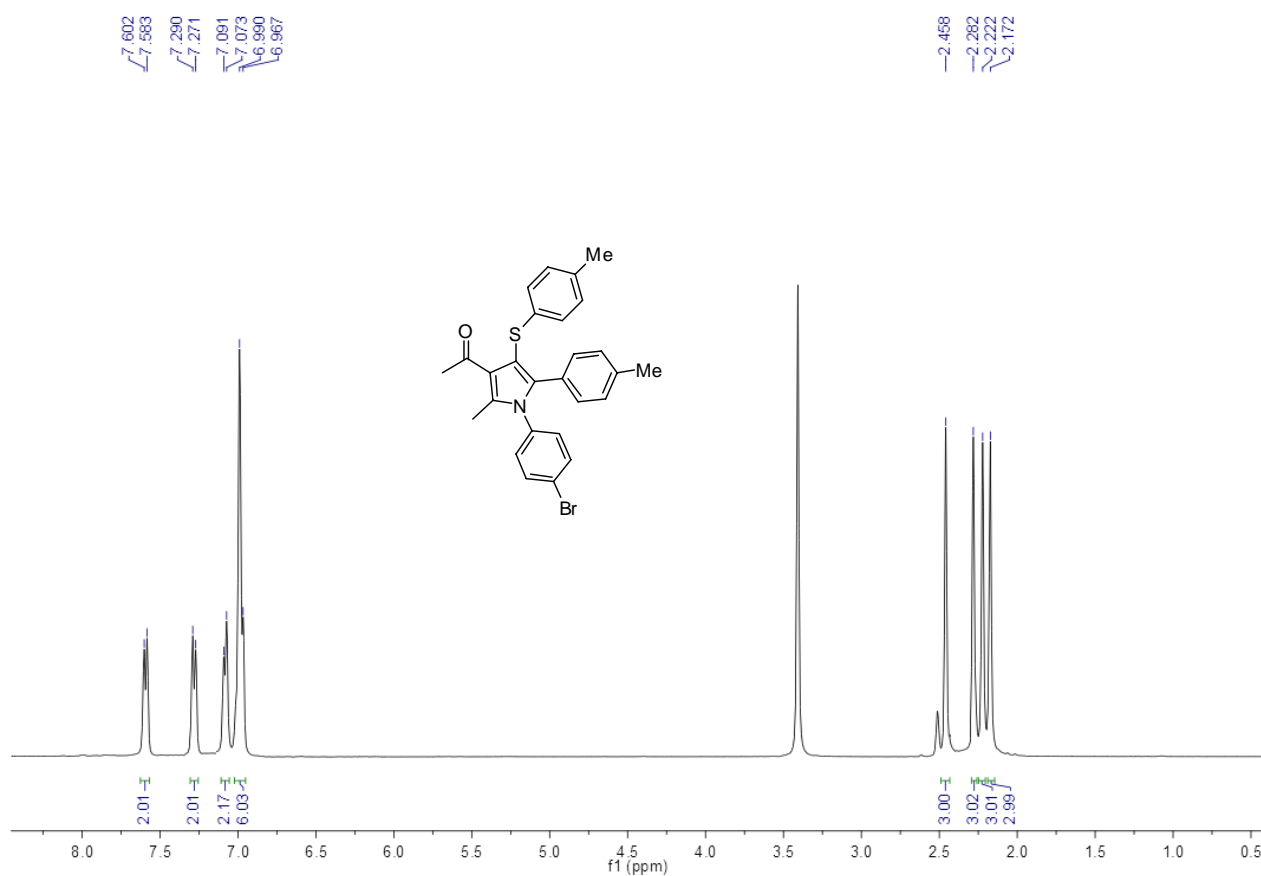
**<sup>13</sup>C NMR Spectrum of Compound 4x**

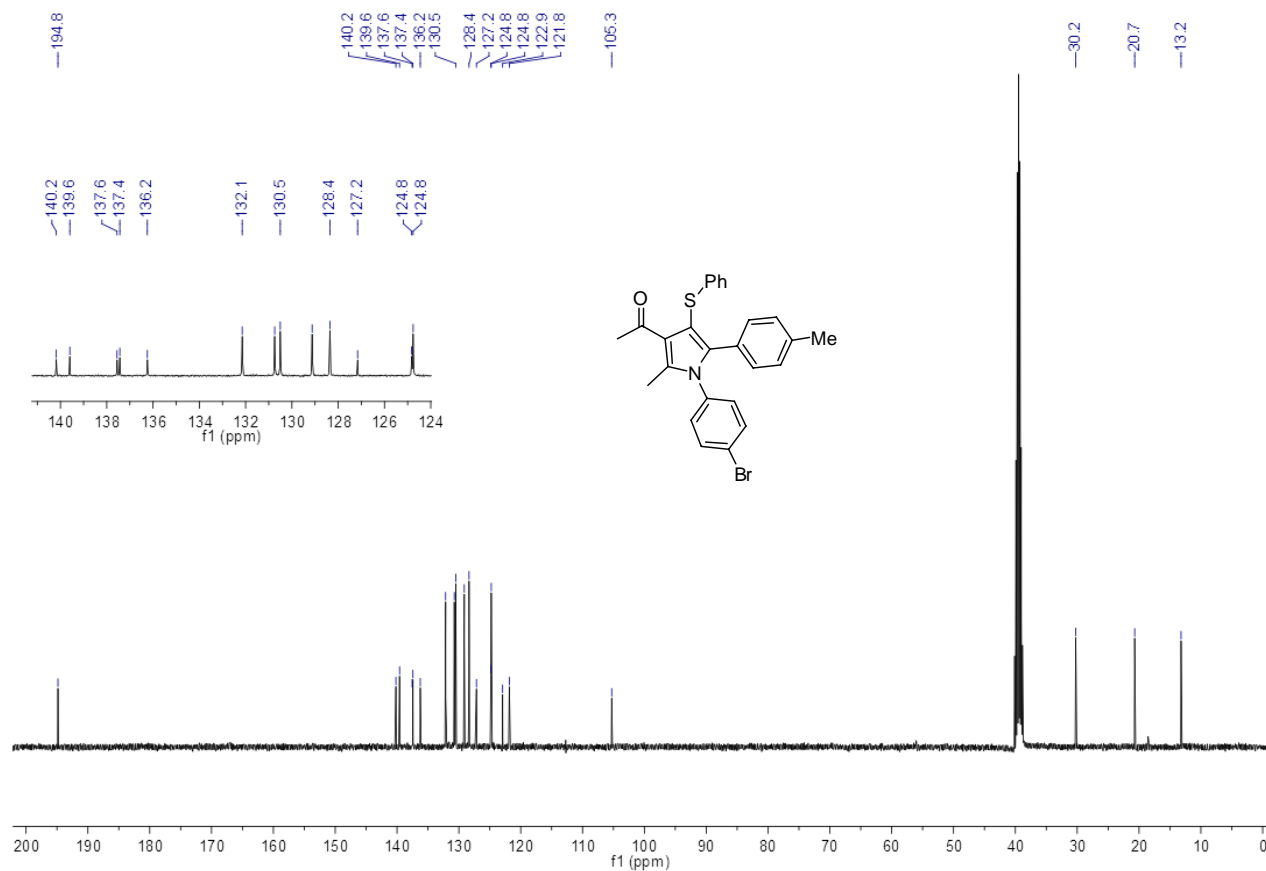
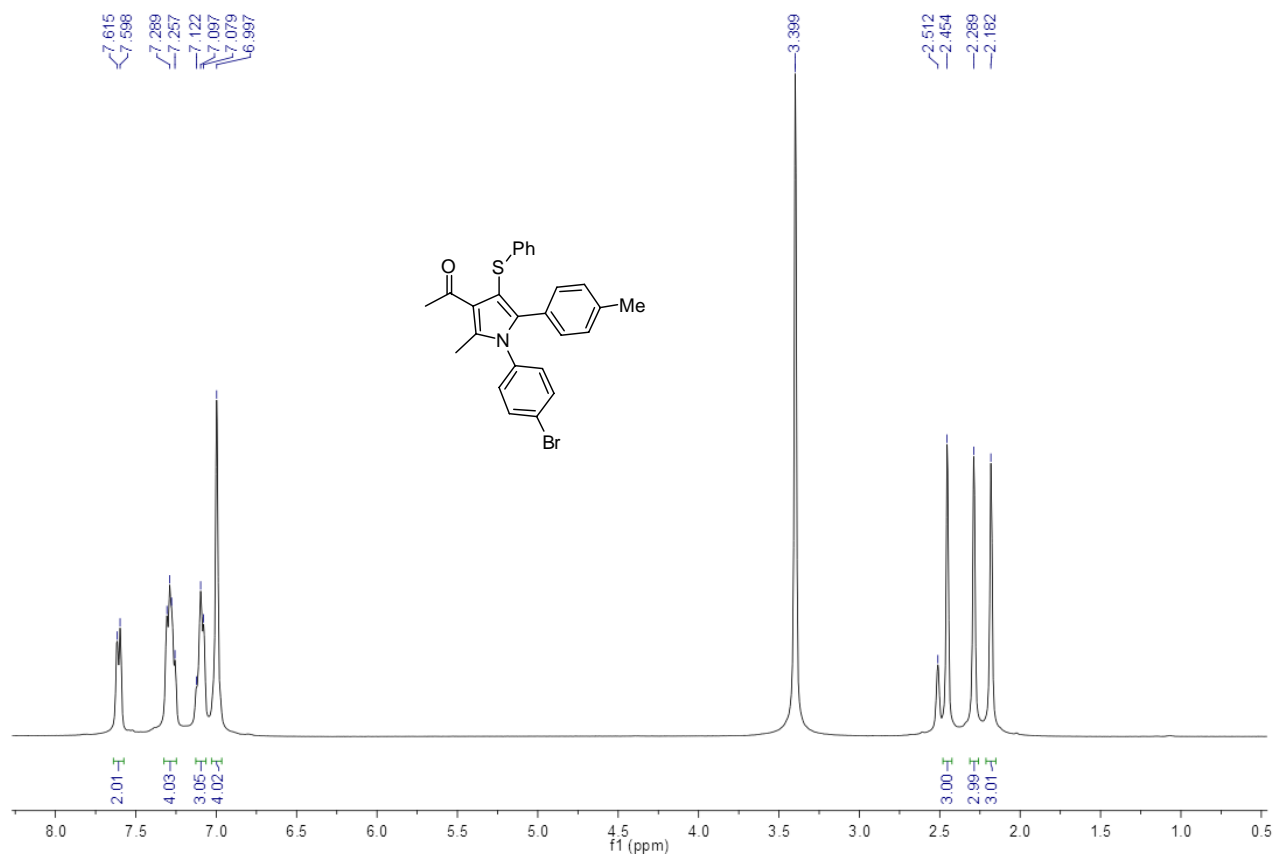


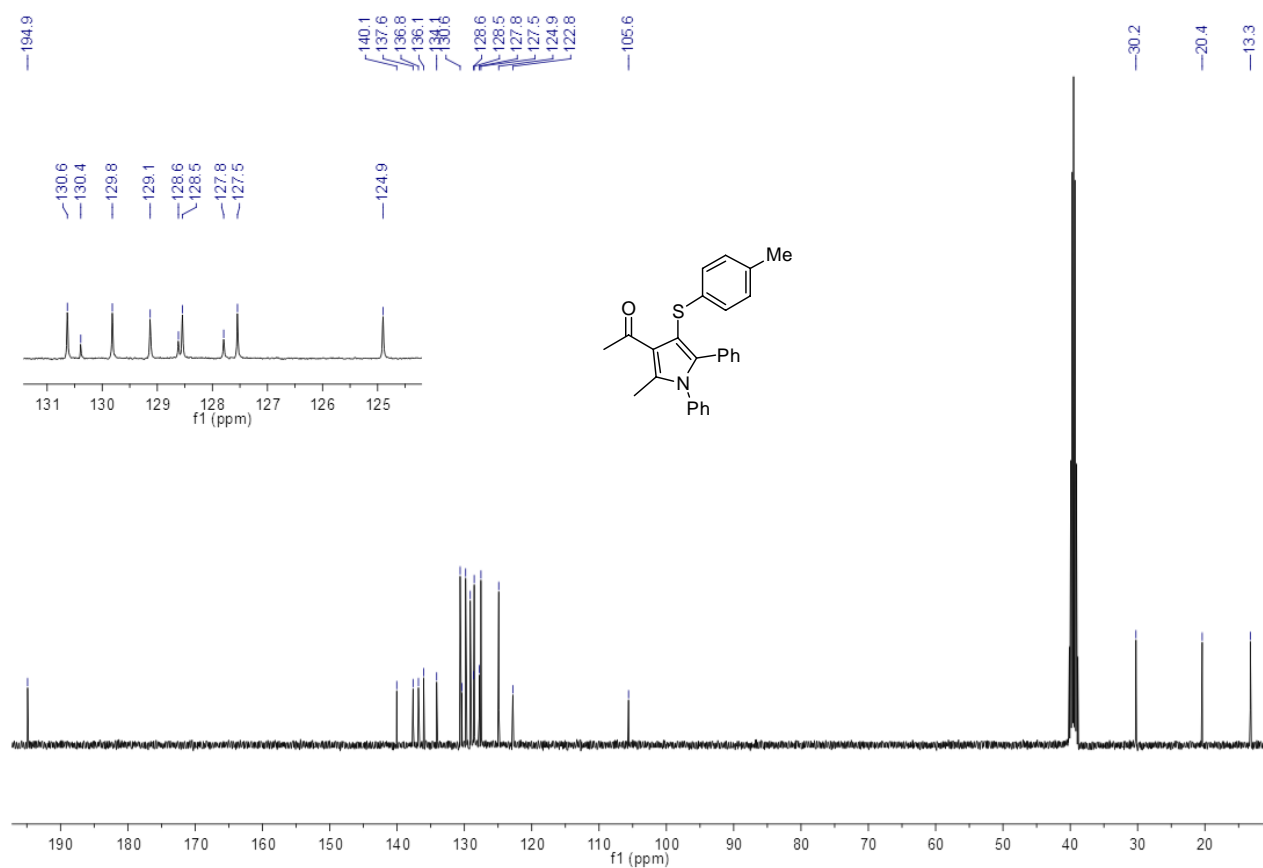
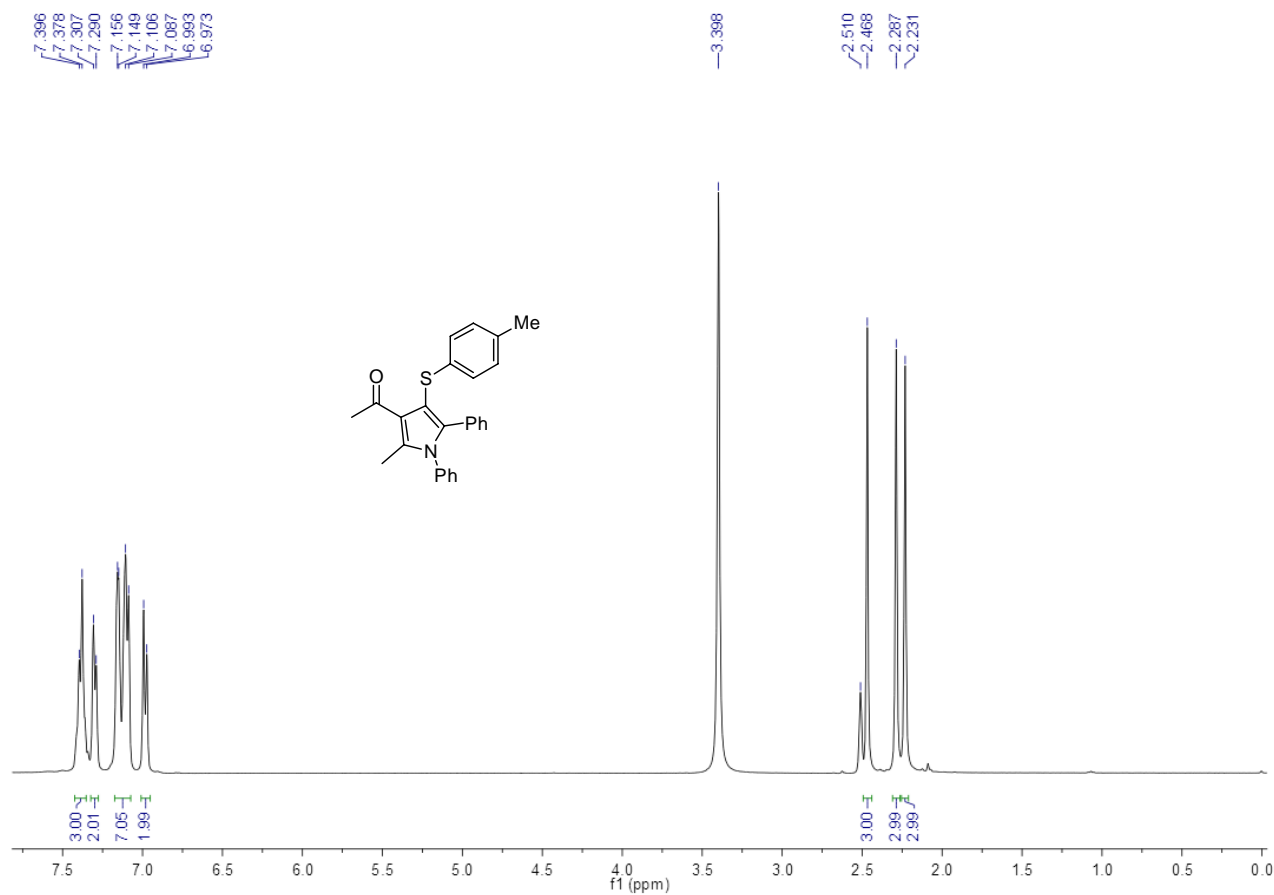




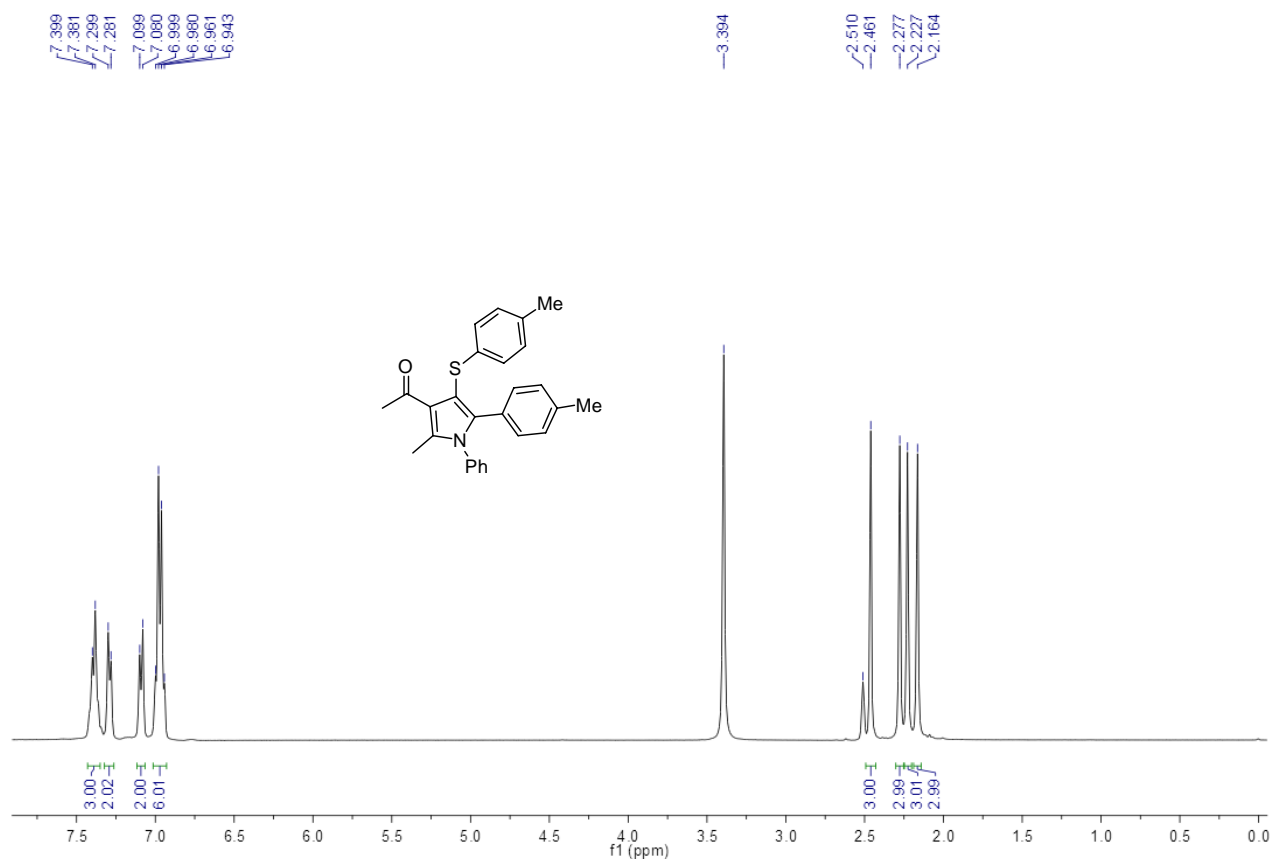




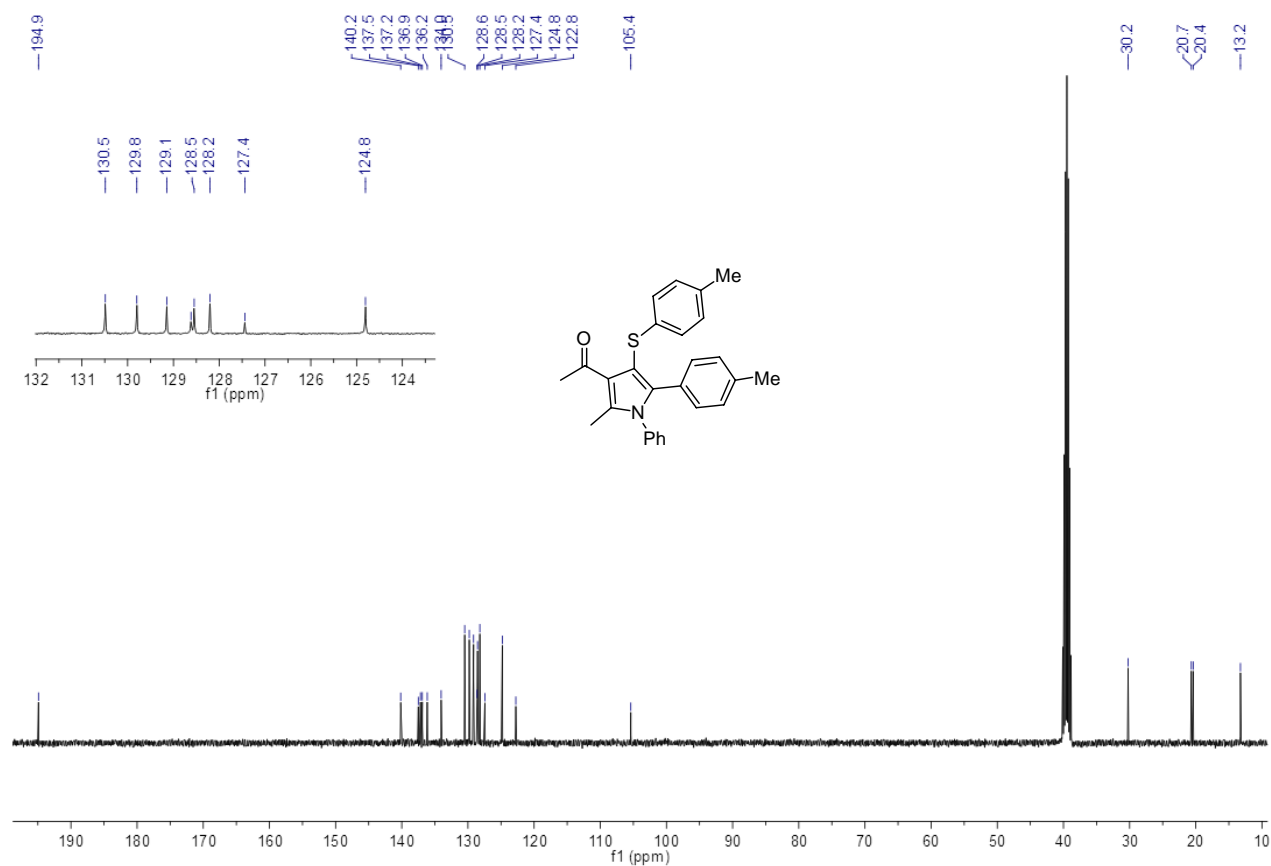




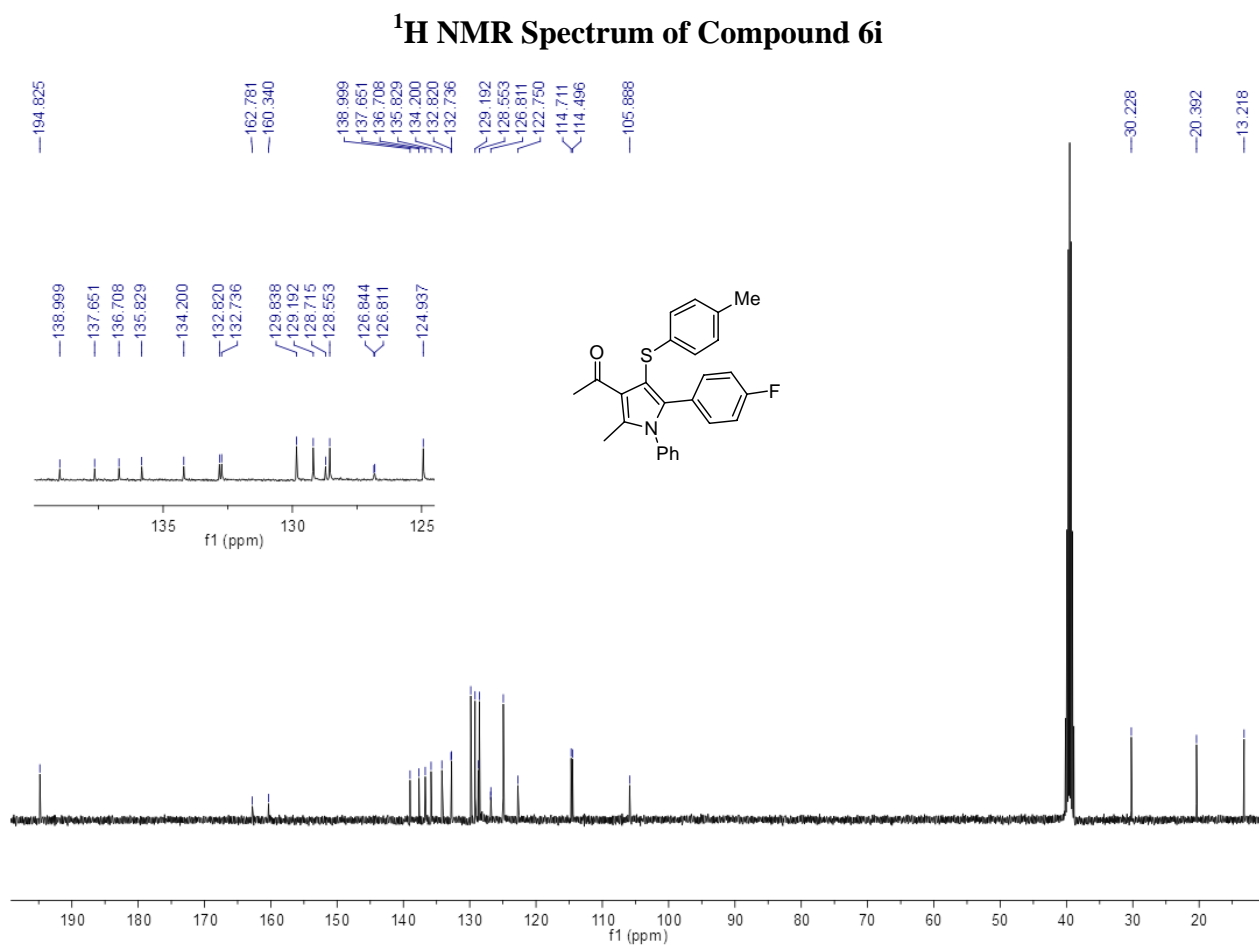
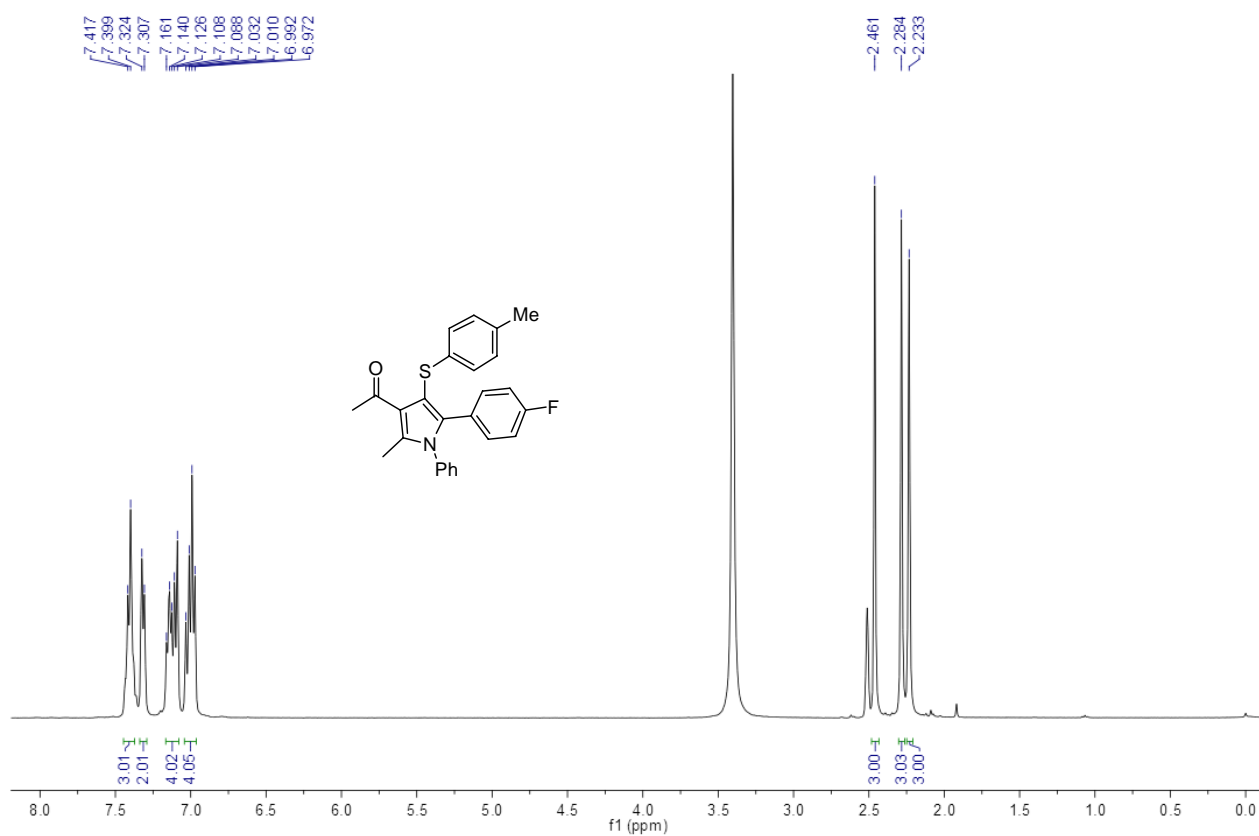


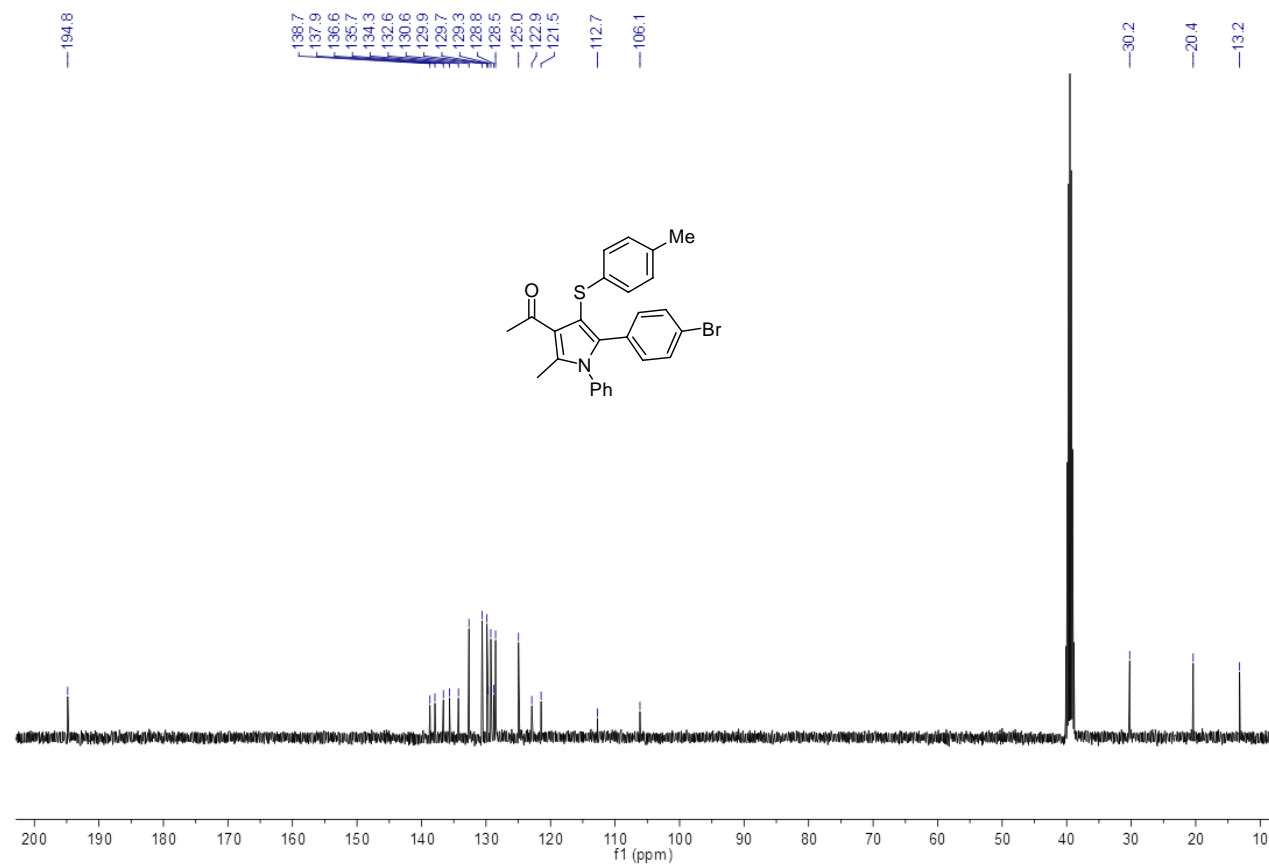
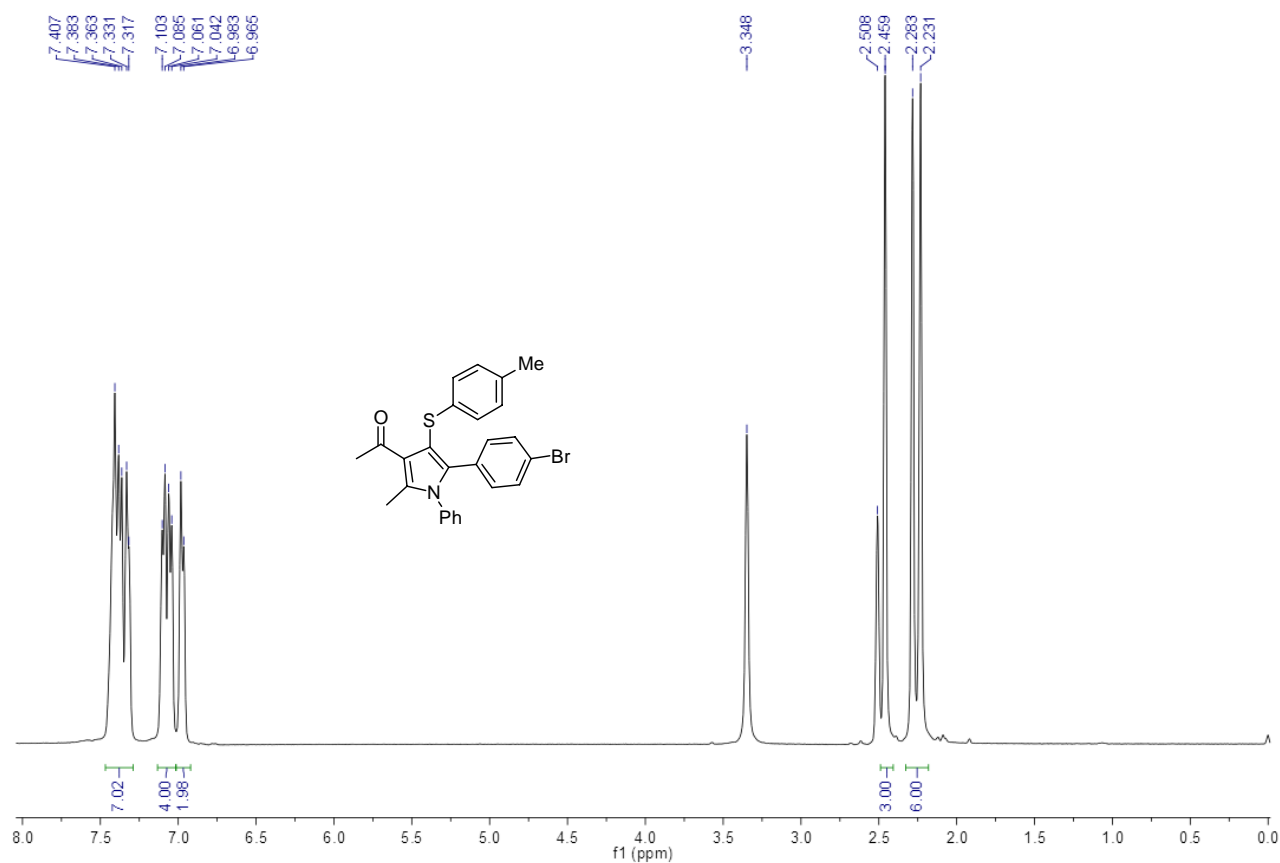


<sup>1</sup>H NMR Spectrum of Compound 6h

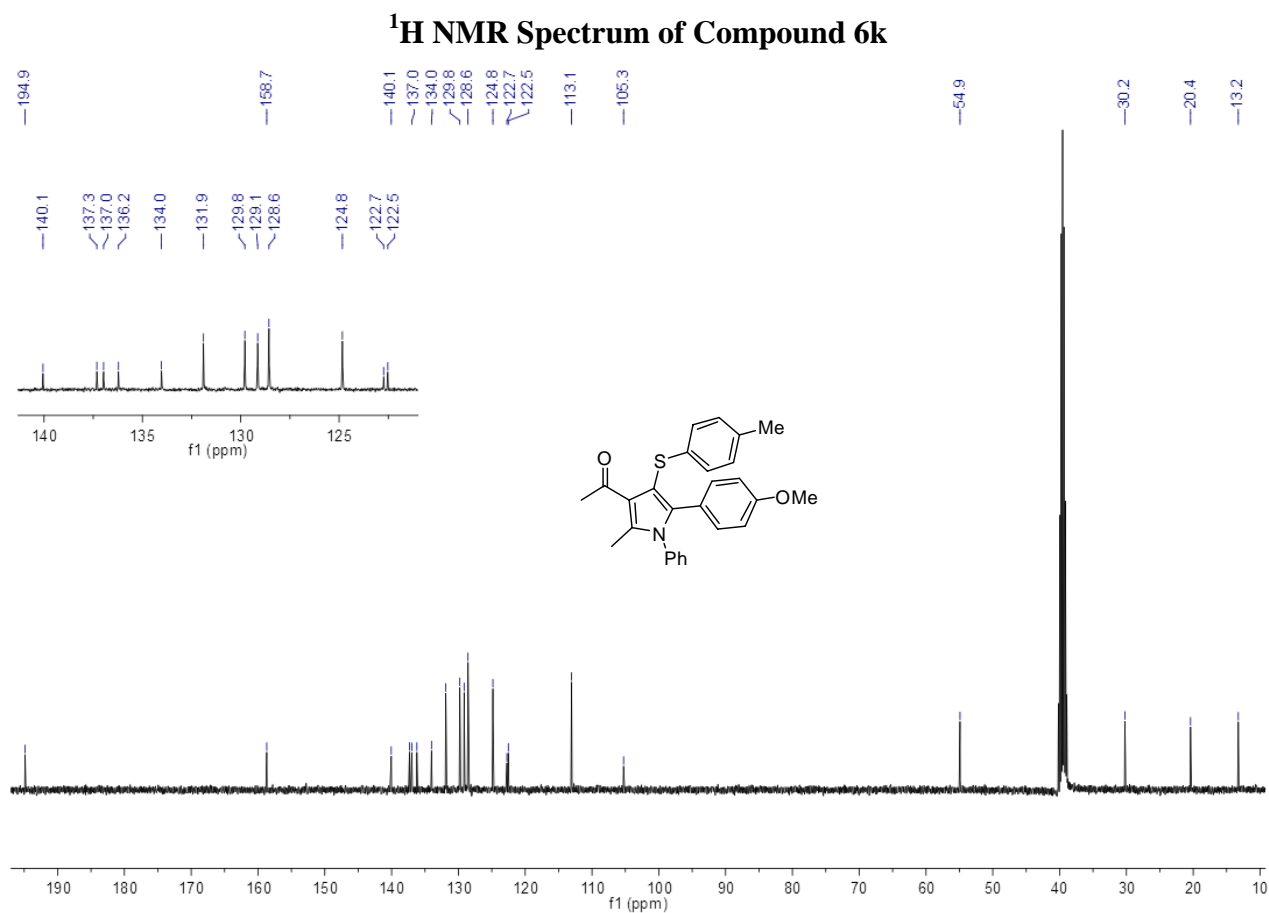
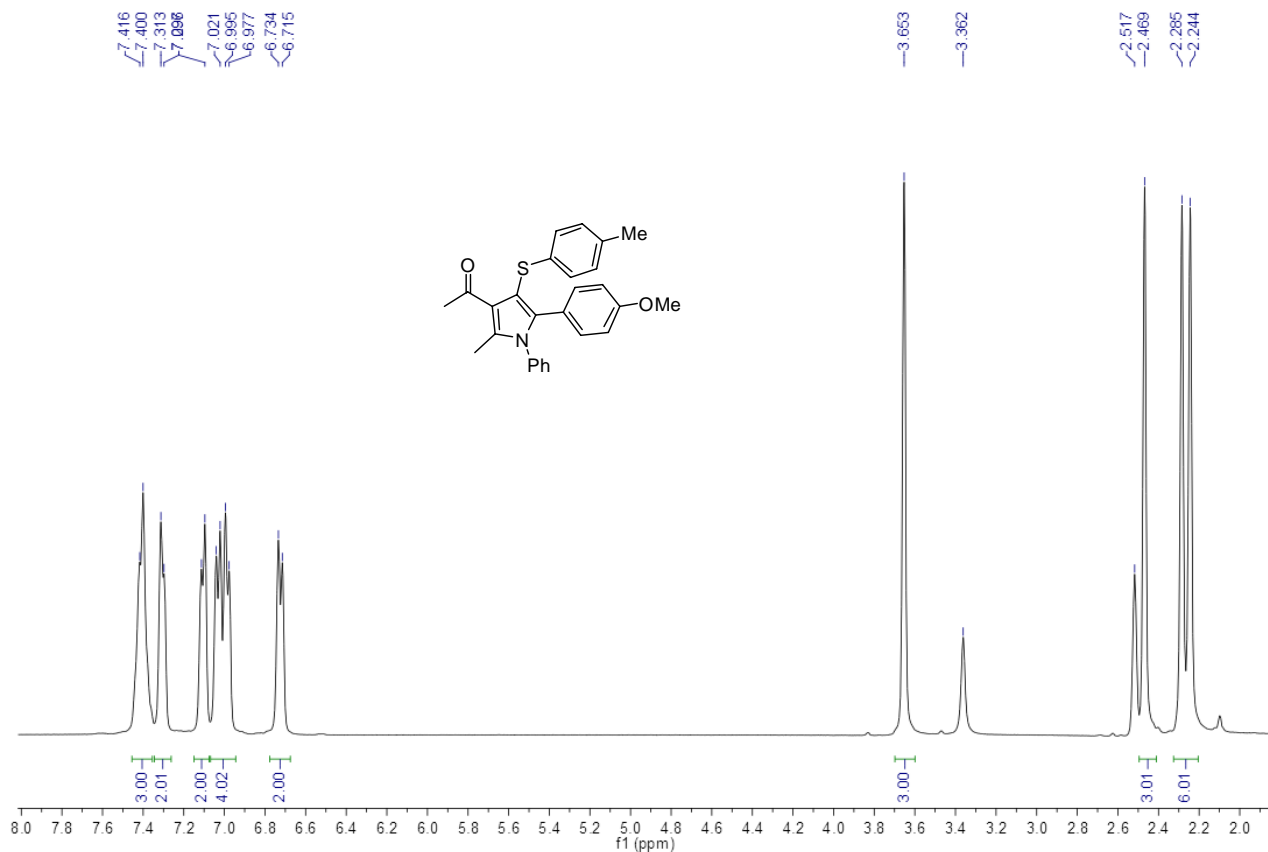


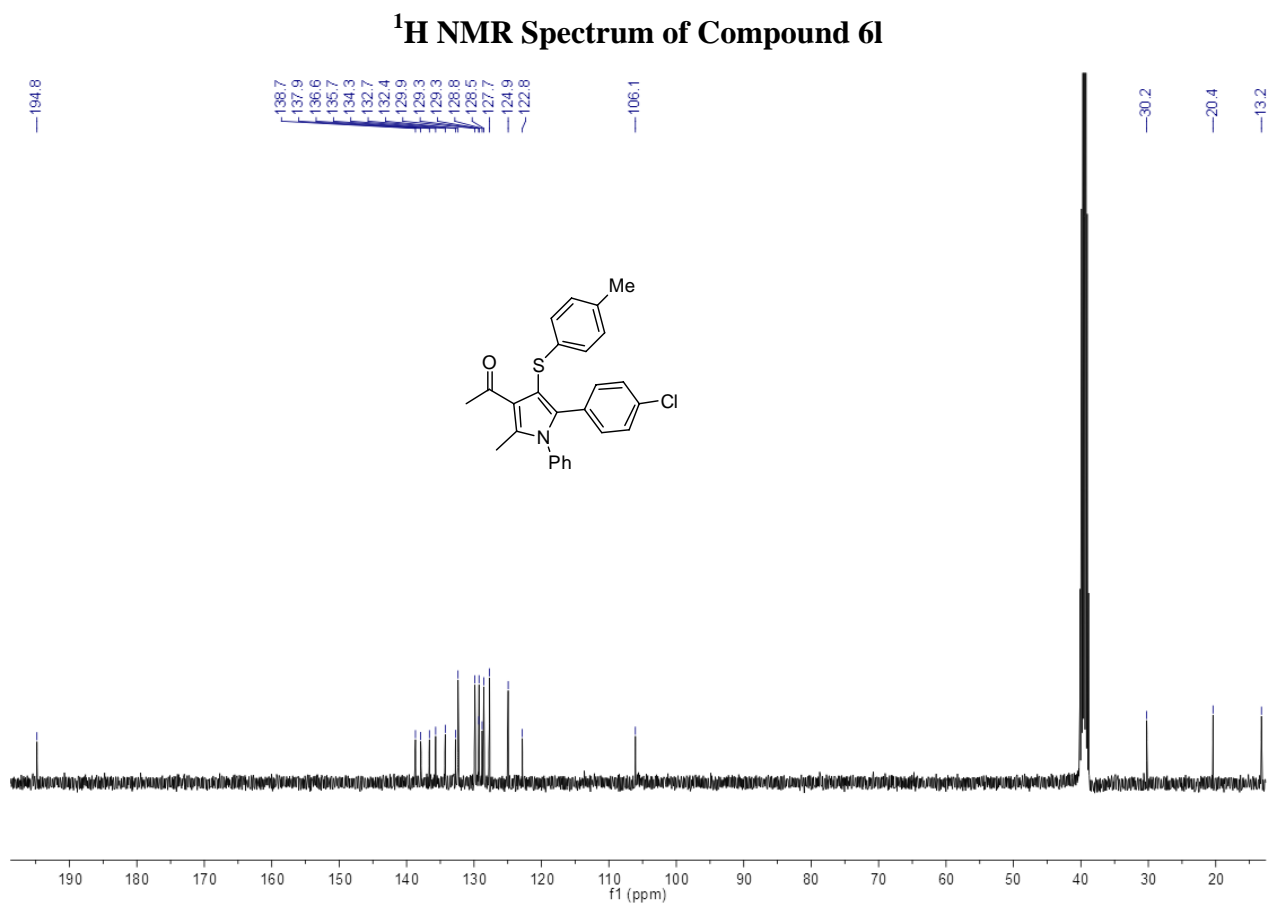
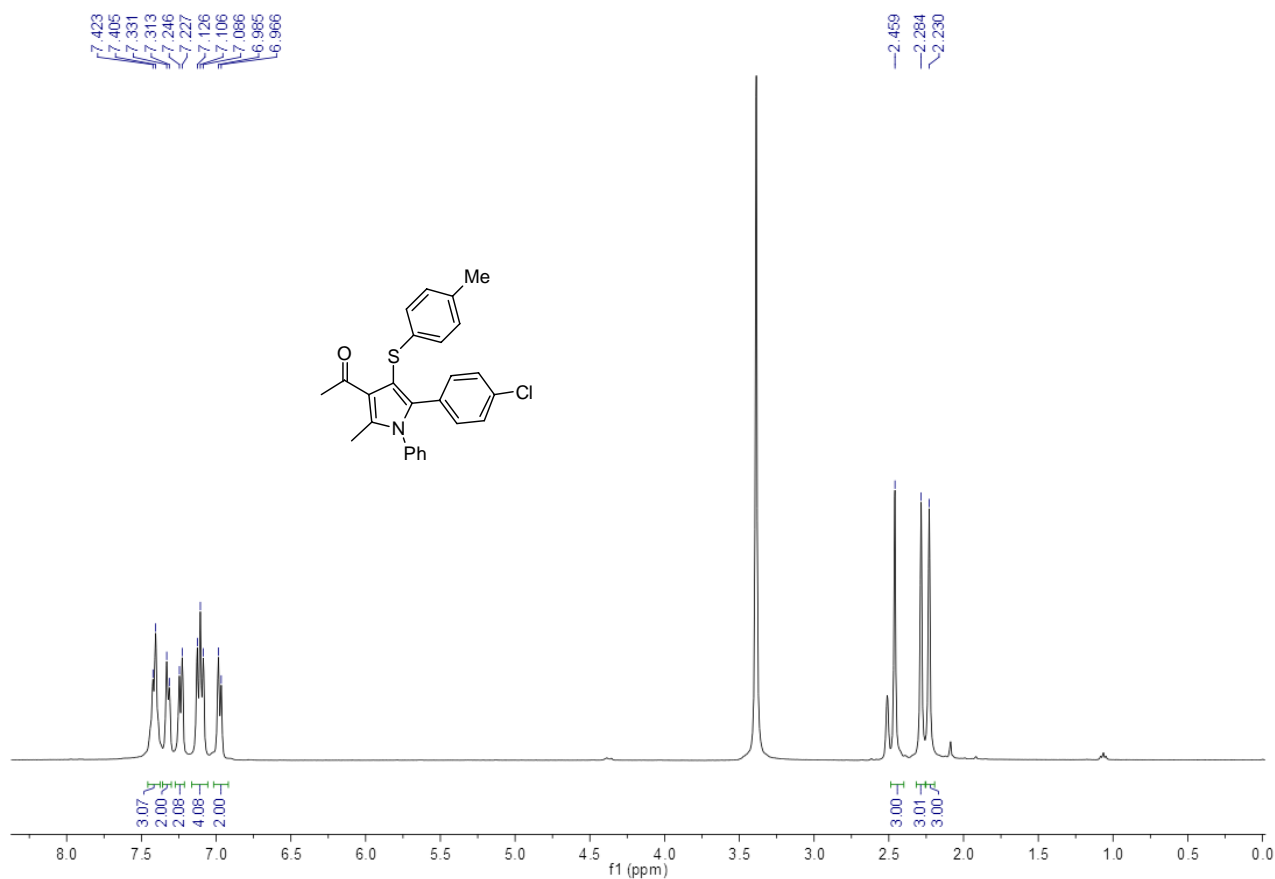
<sup>13</sup>C NMR Spectrum of Compound 6h

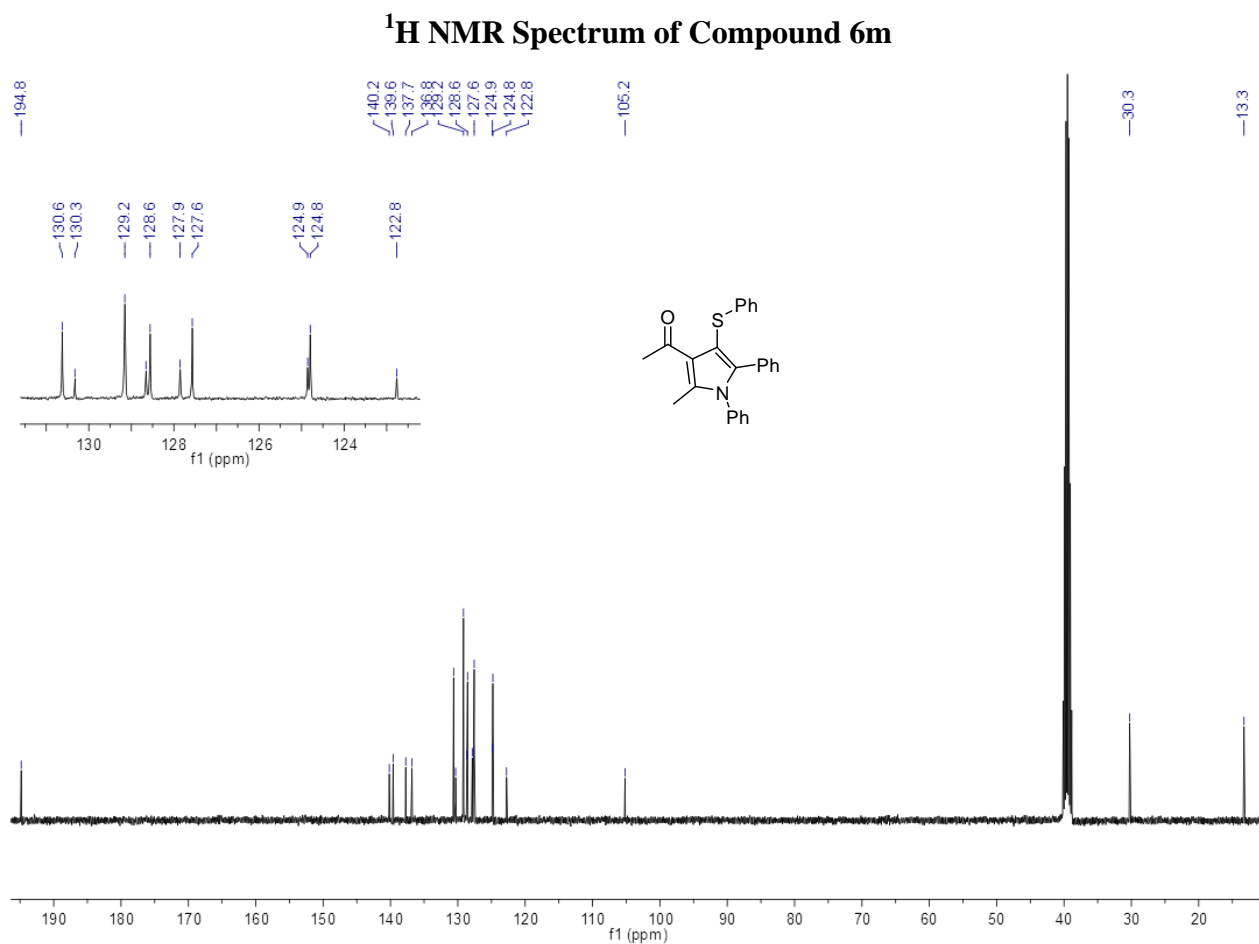
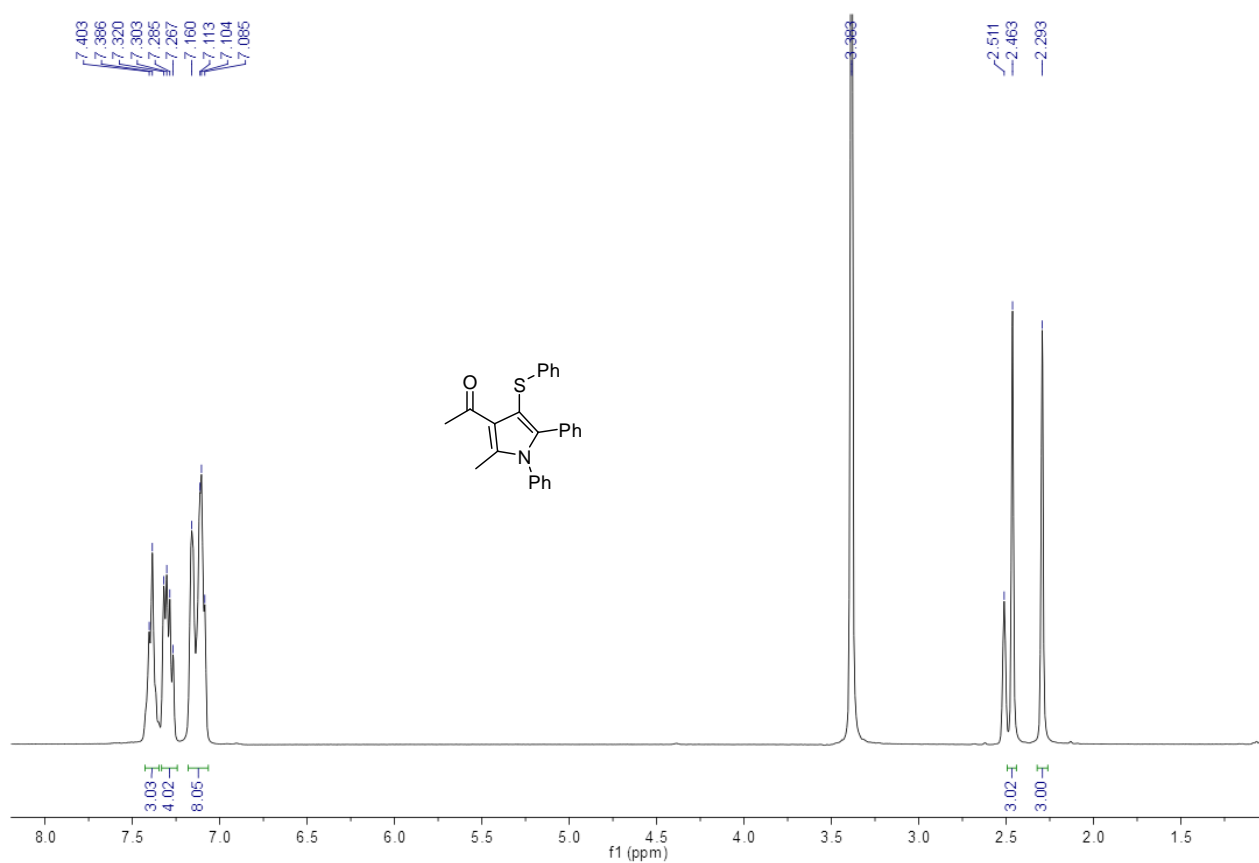


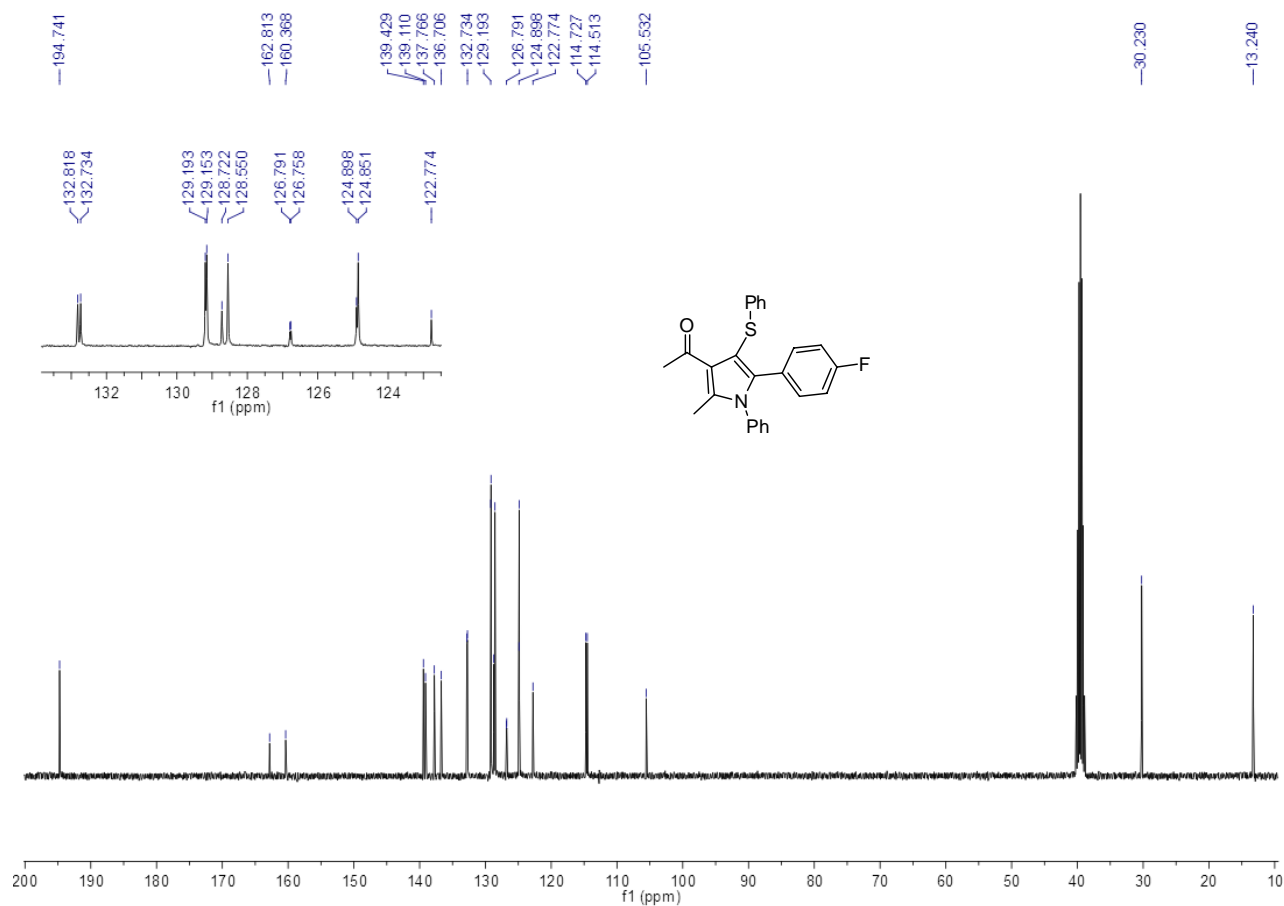
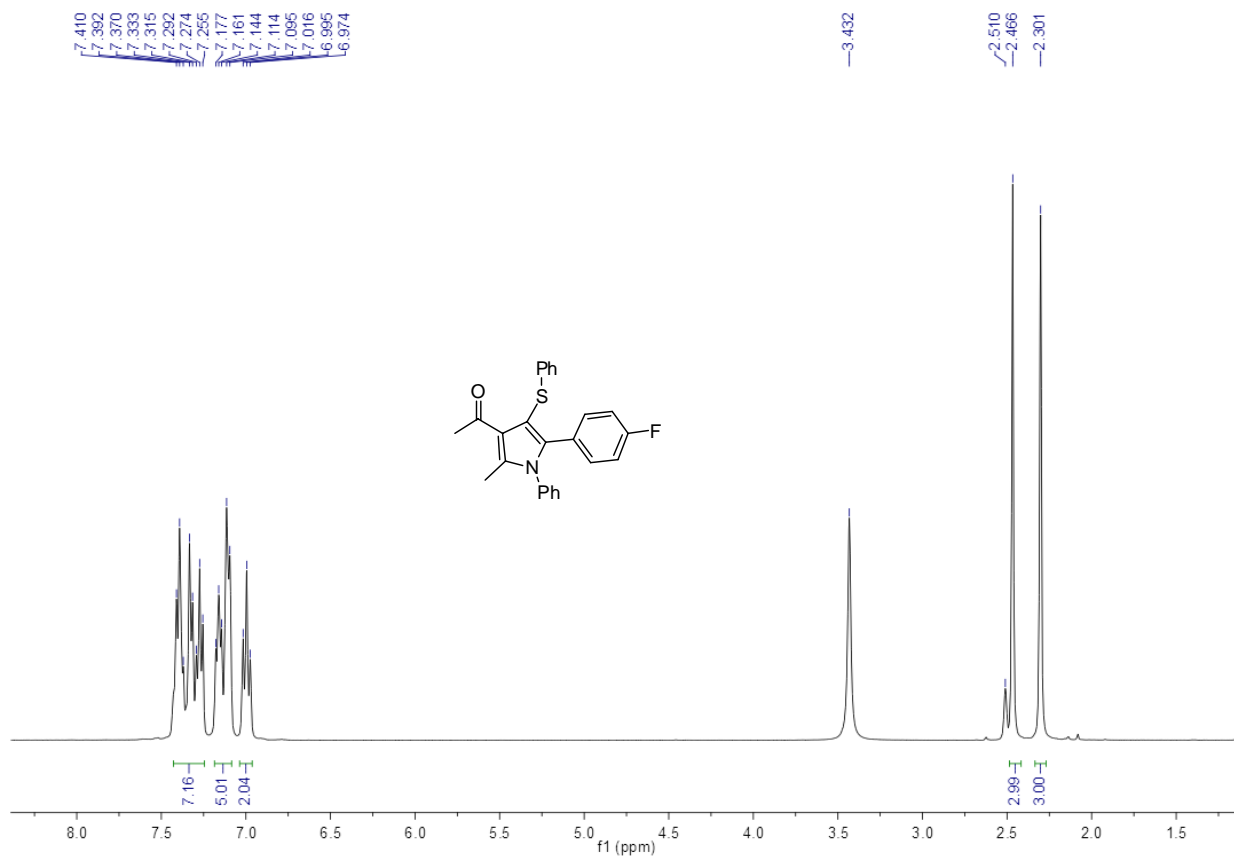


**<sup>13</sup>C NMR Spectrum of Compound 6j**

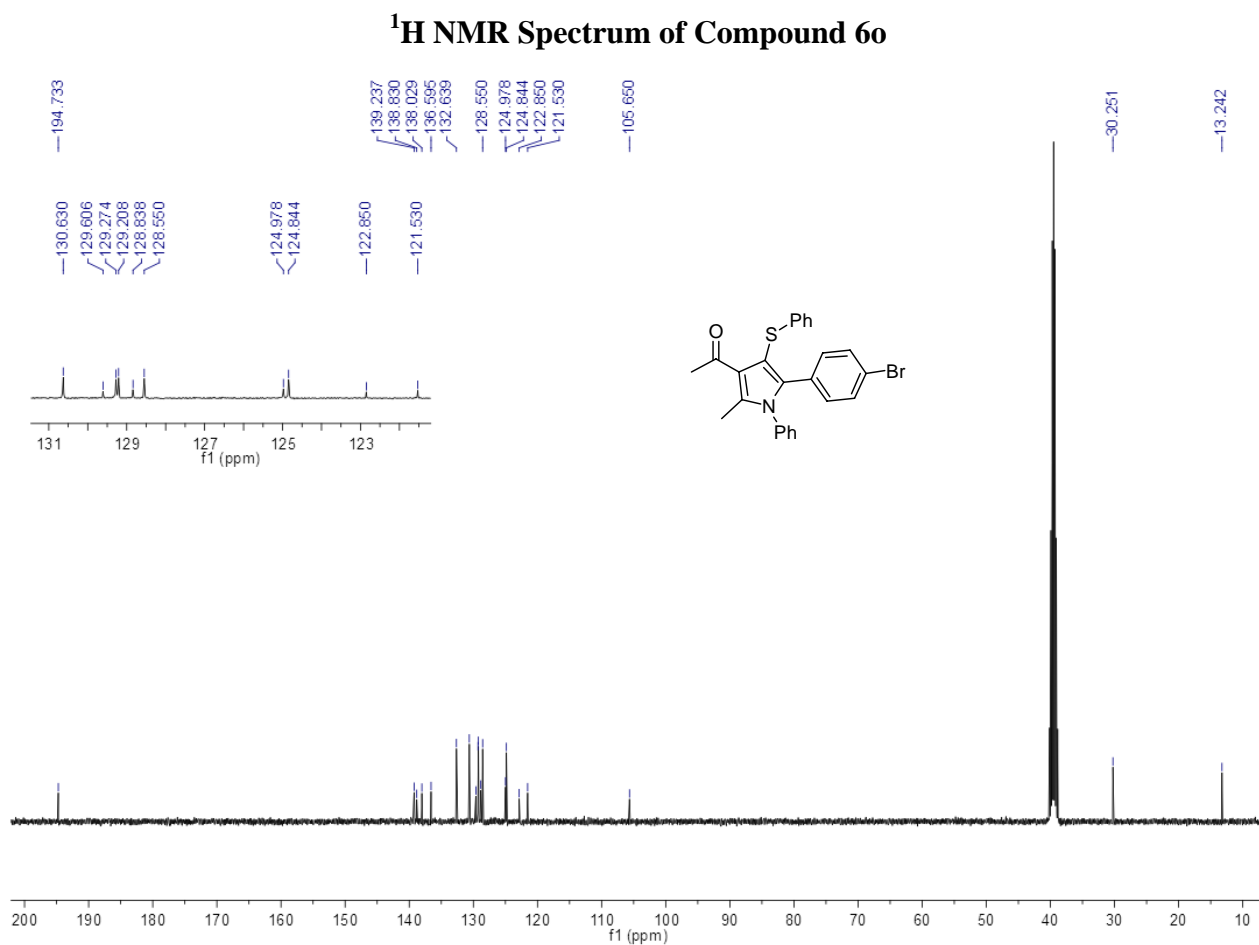
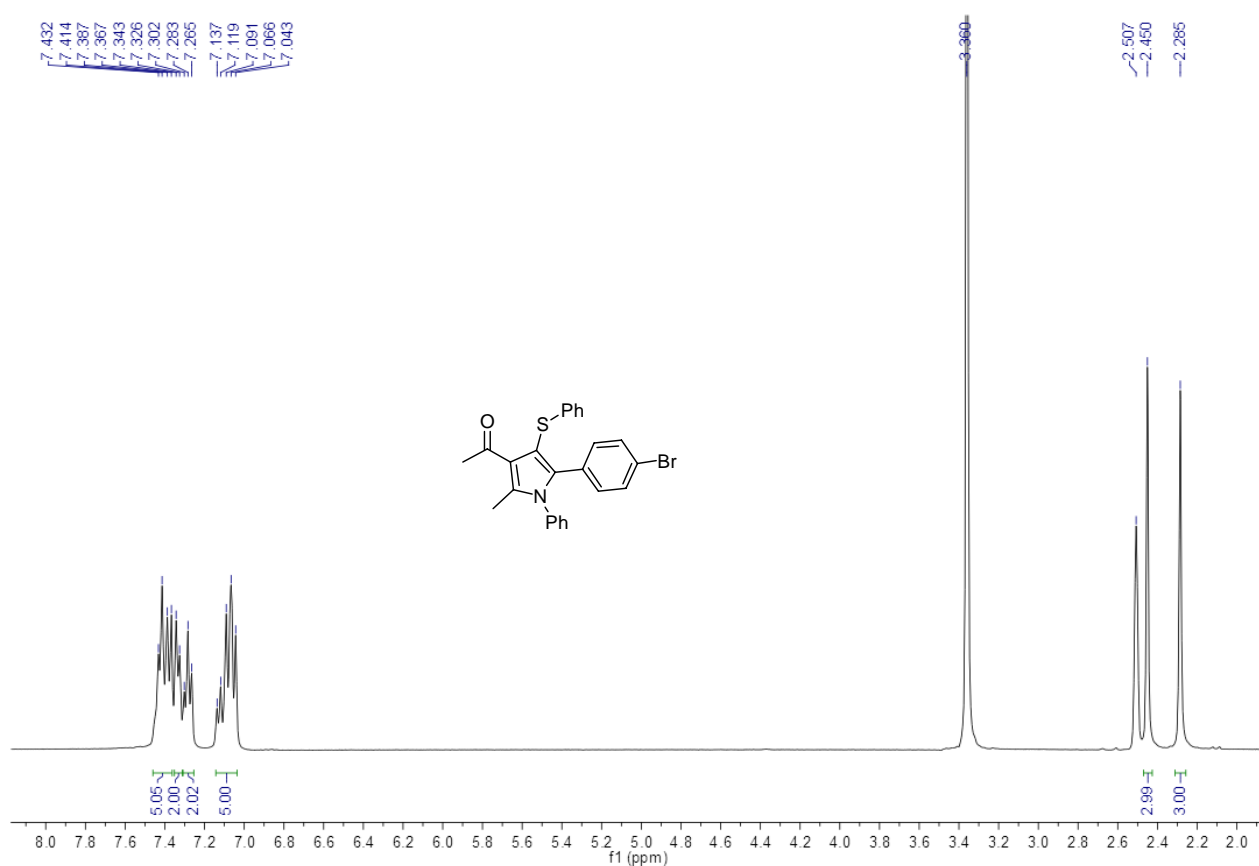




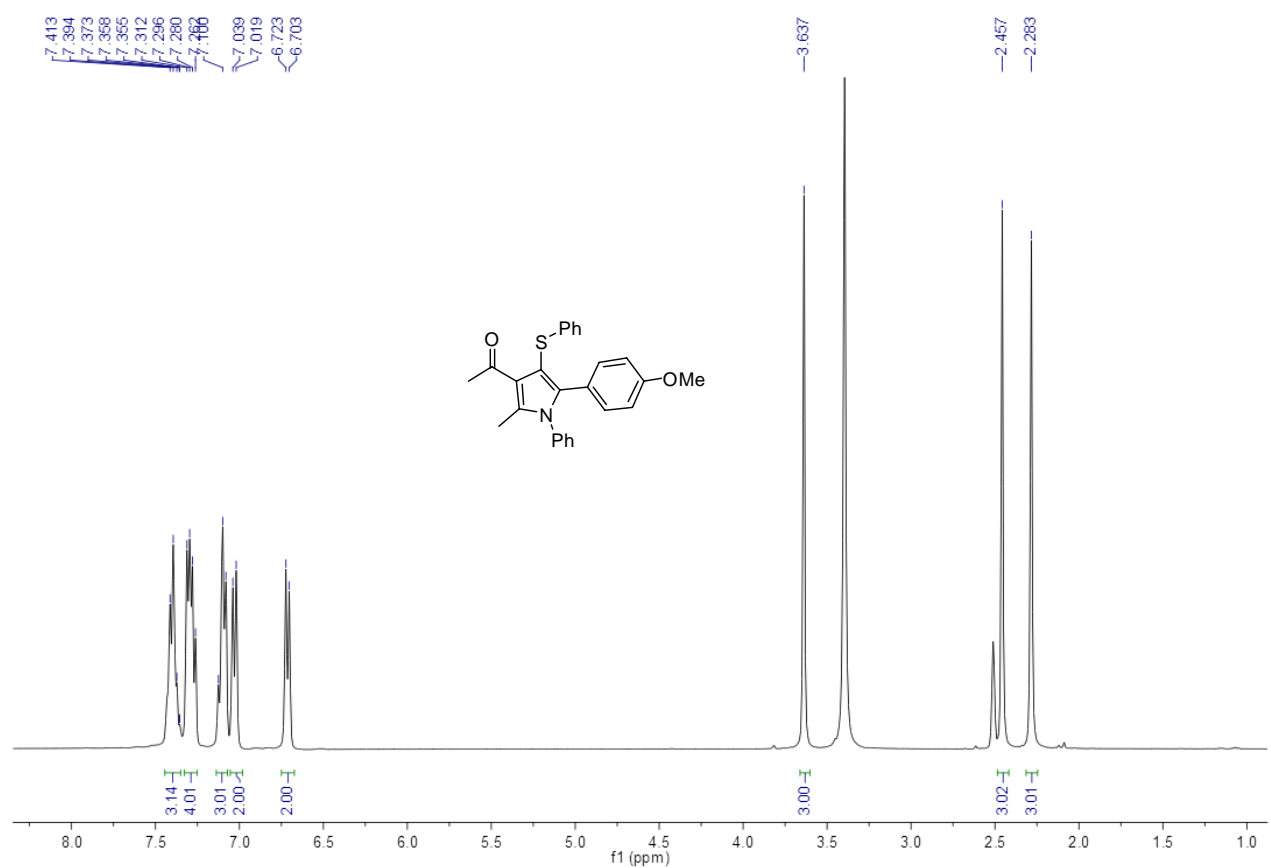




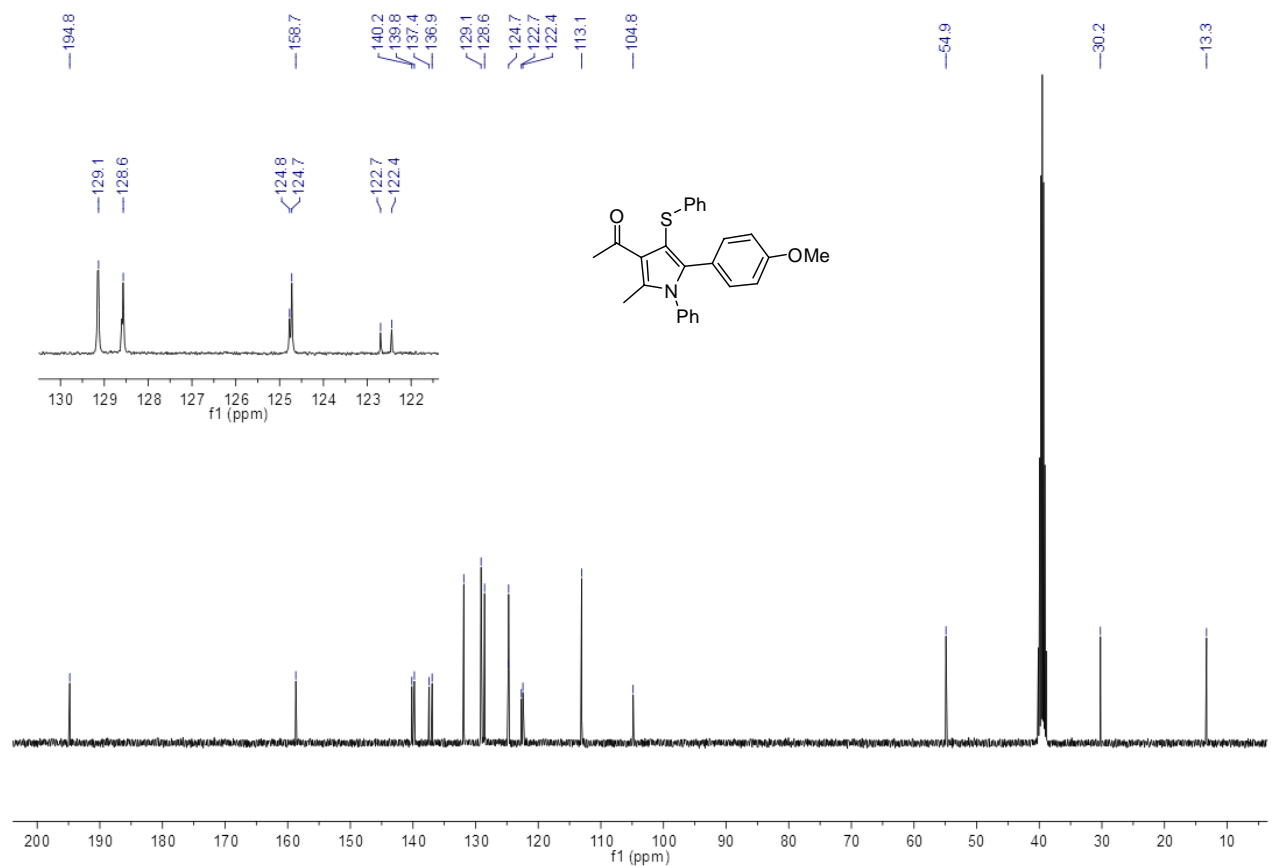
**<sup>13</sup>C NMR Spectrum of Compound 6n**



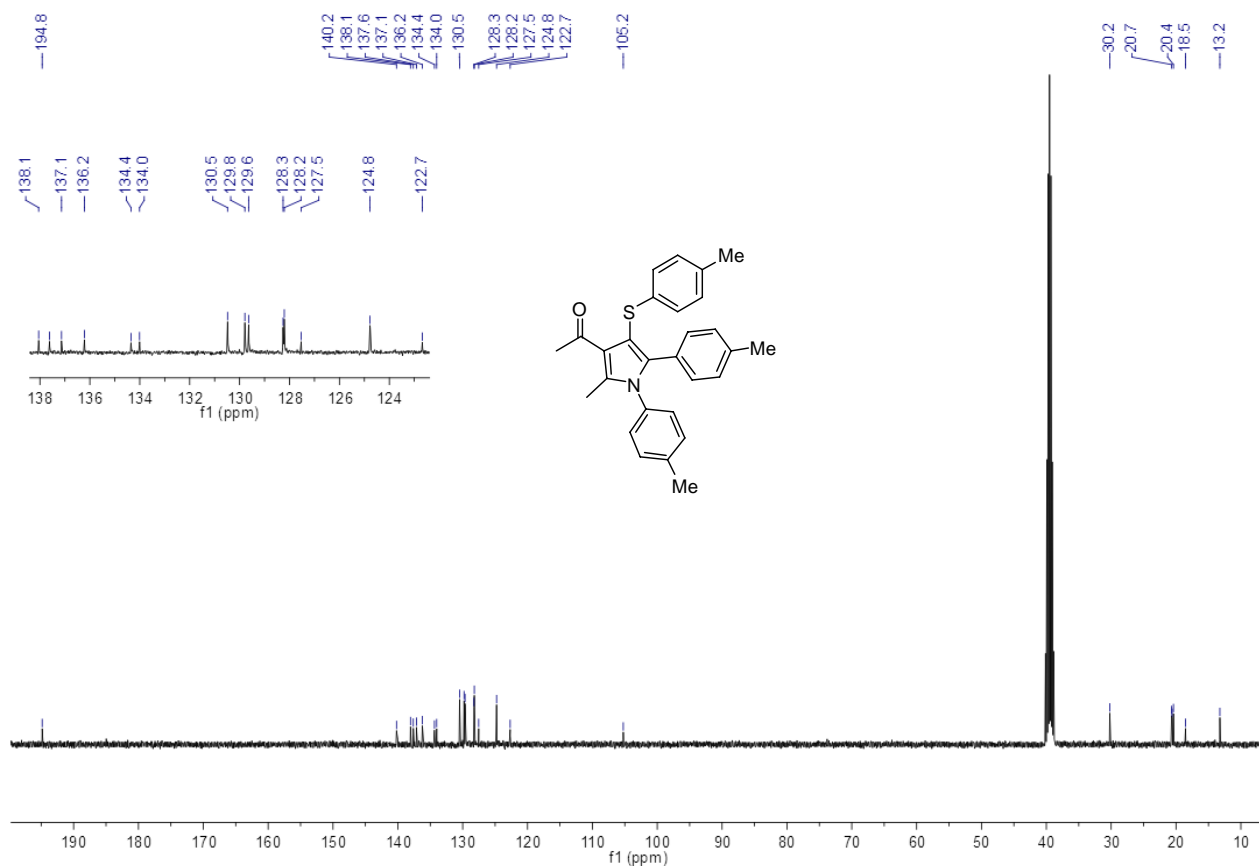
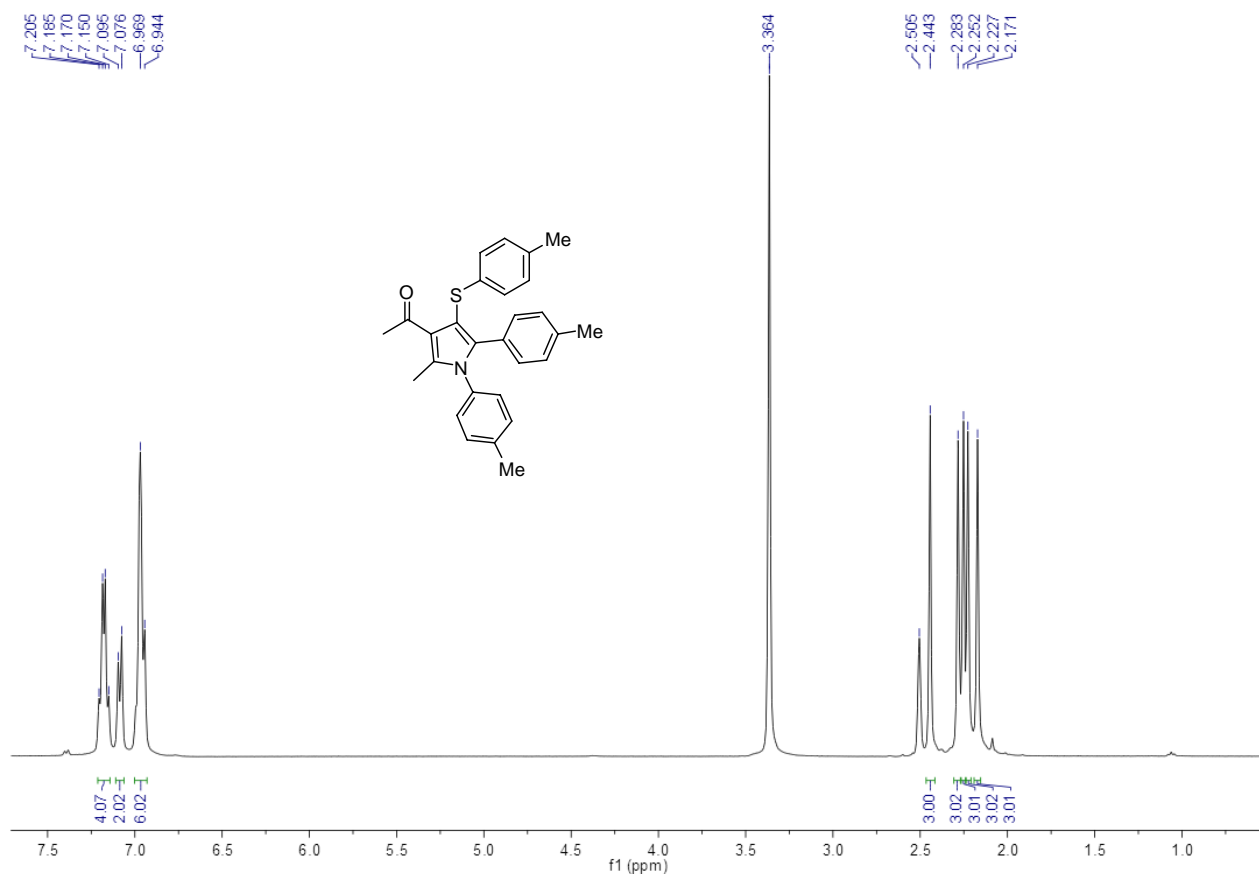


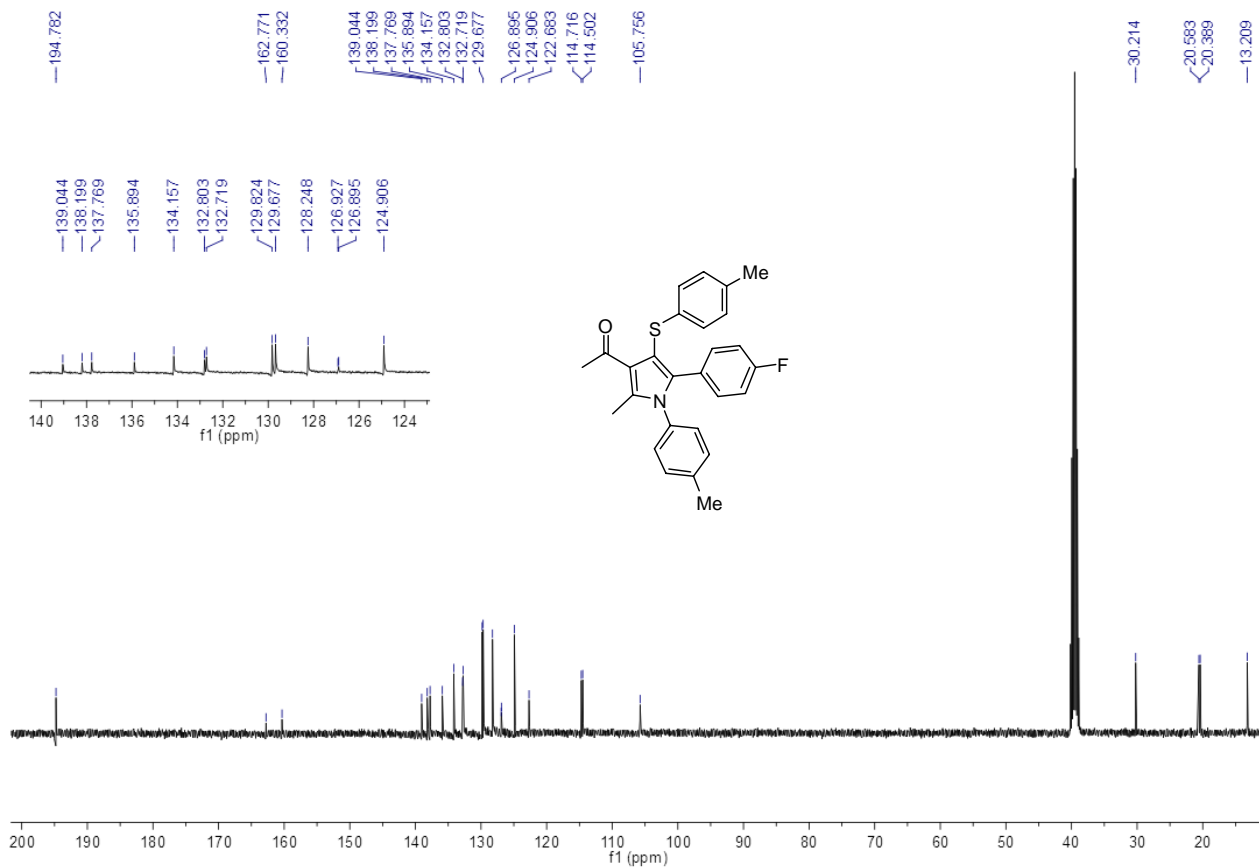
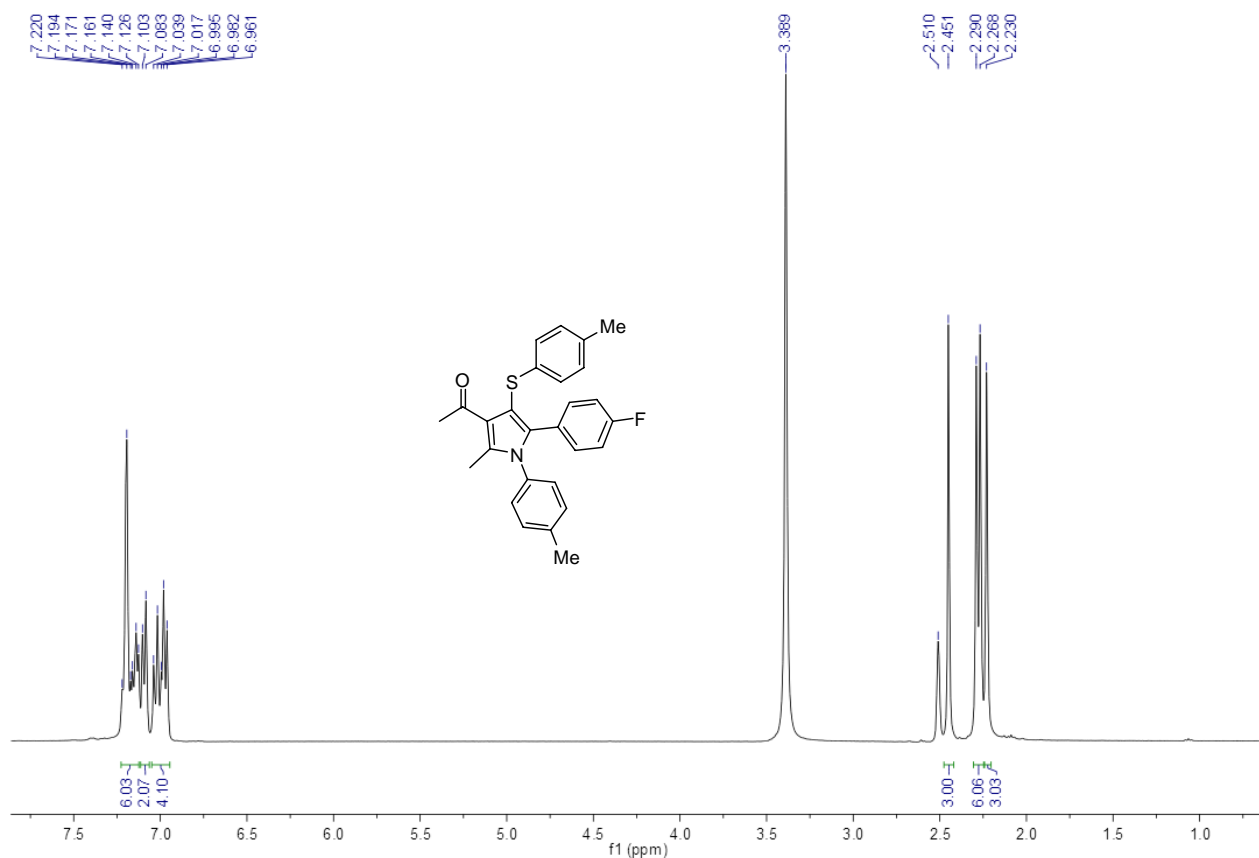


<sup>1</sup>H NMR Spectrum of Compound 6p

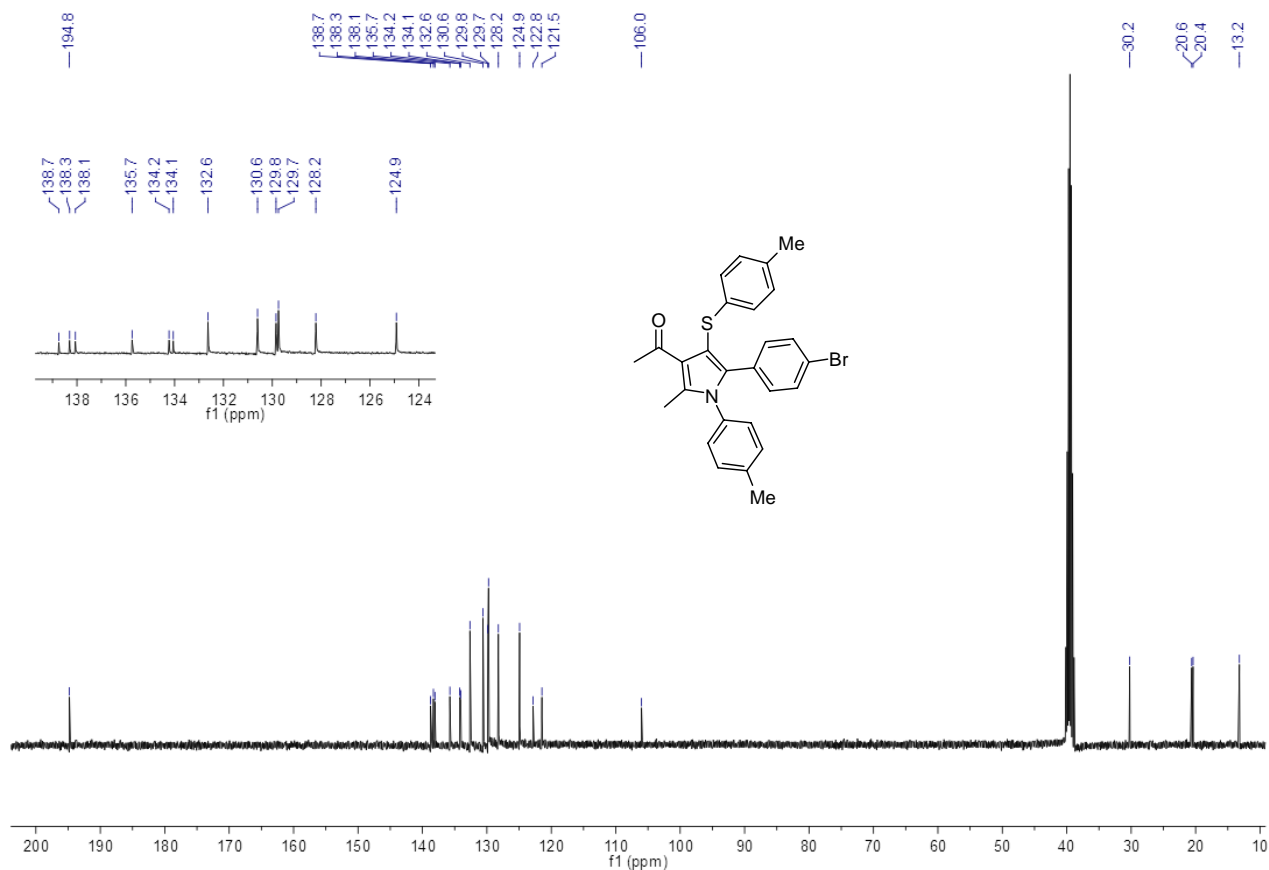
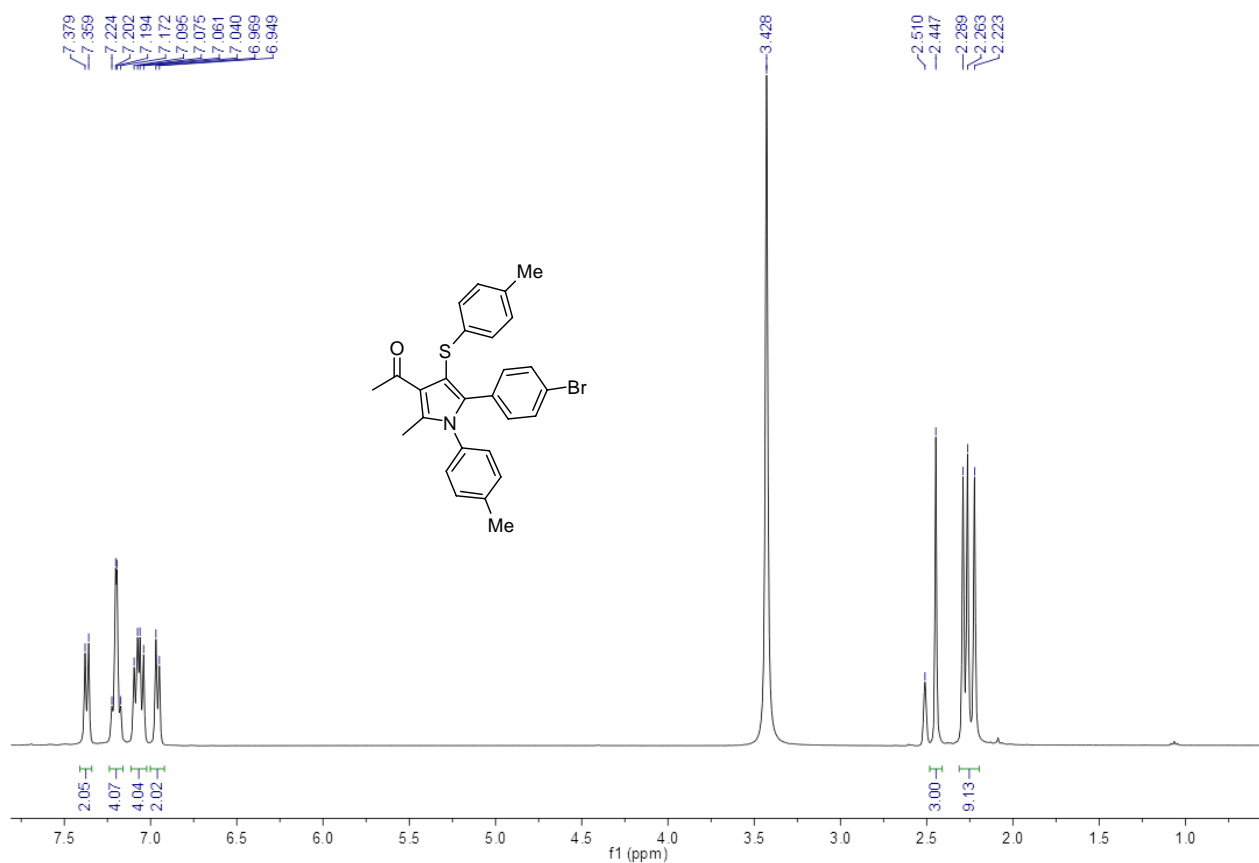


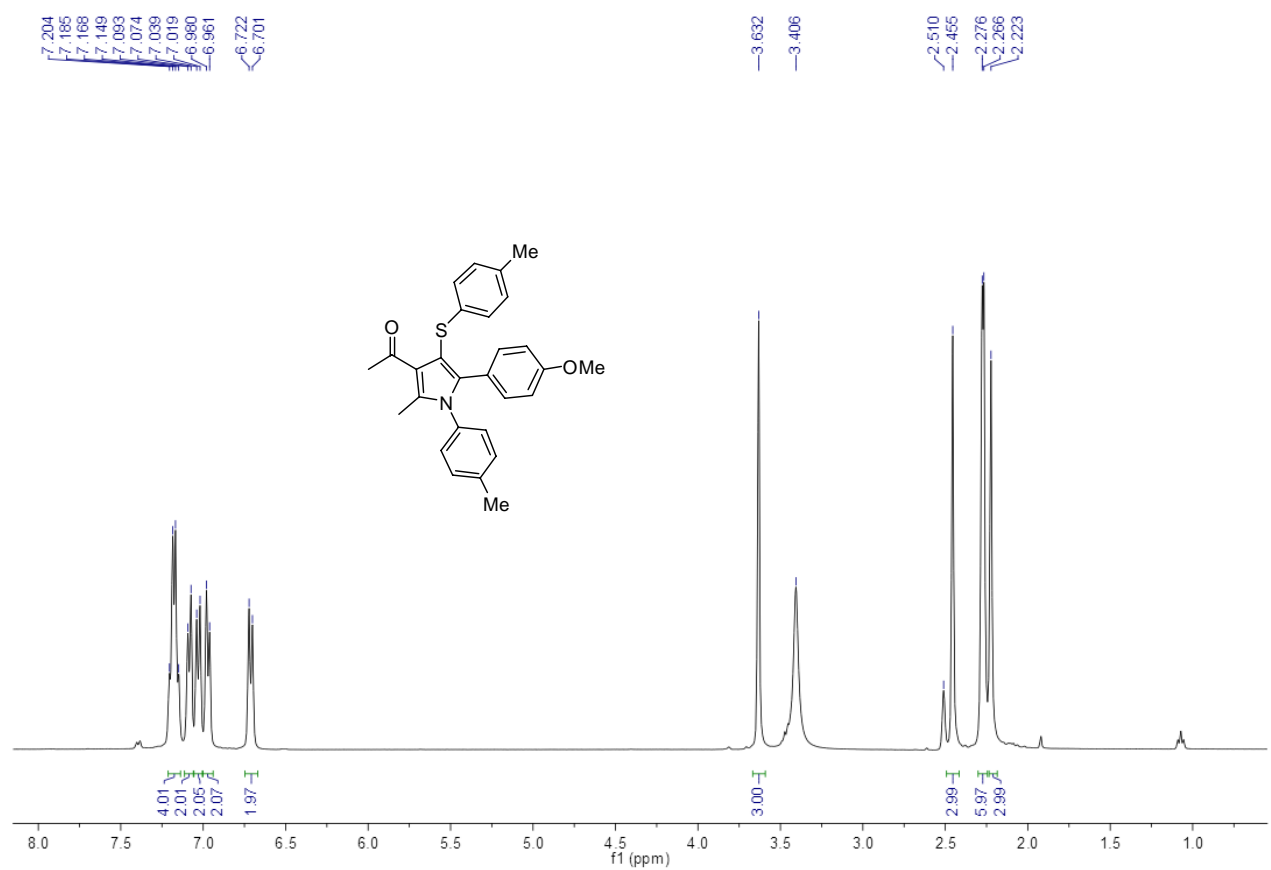
<sup>13</sup>C NMR Spectrum of Compound 6p



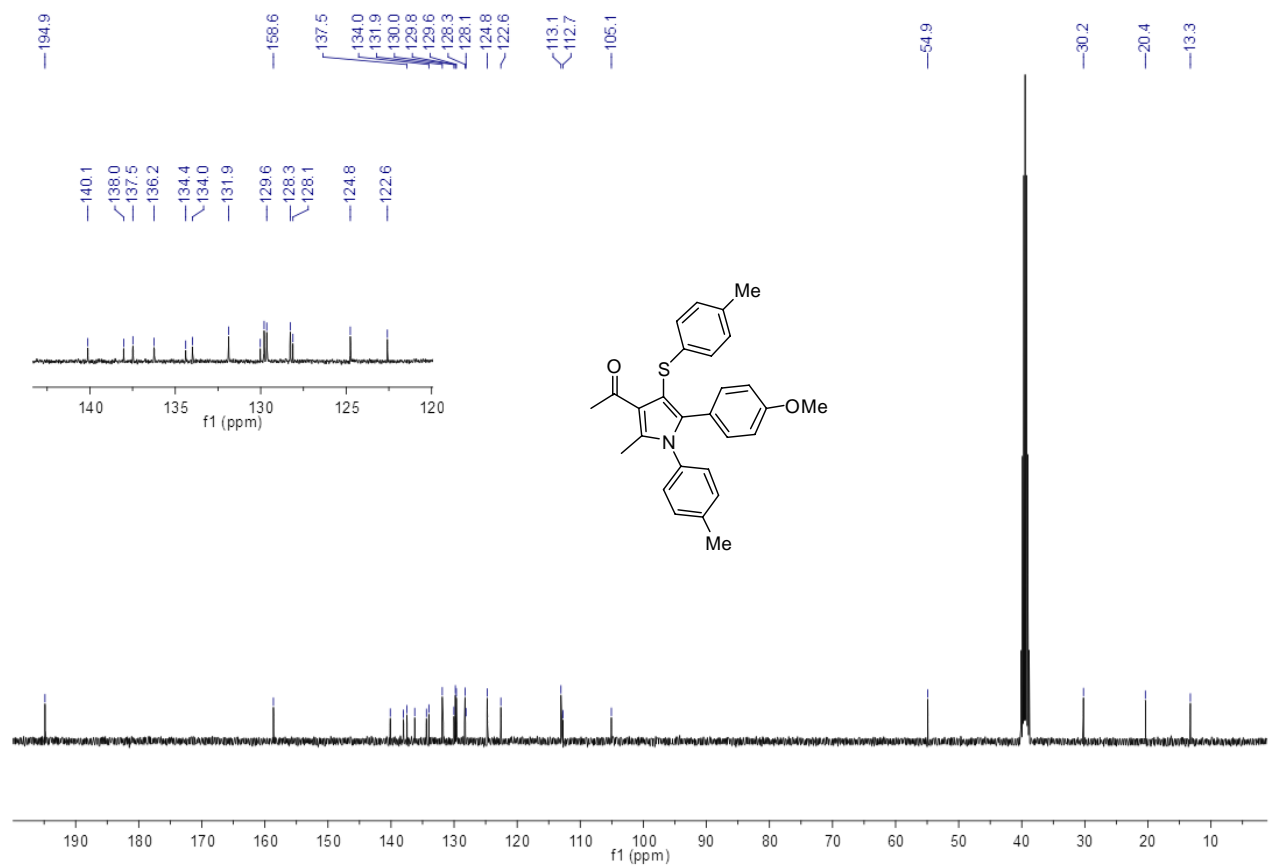


**<sup>13</sup>C NMR Spectrum of Compound 6r**

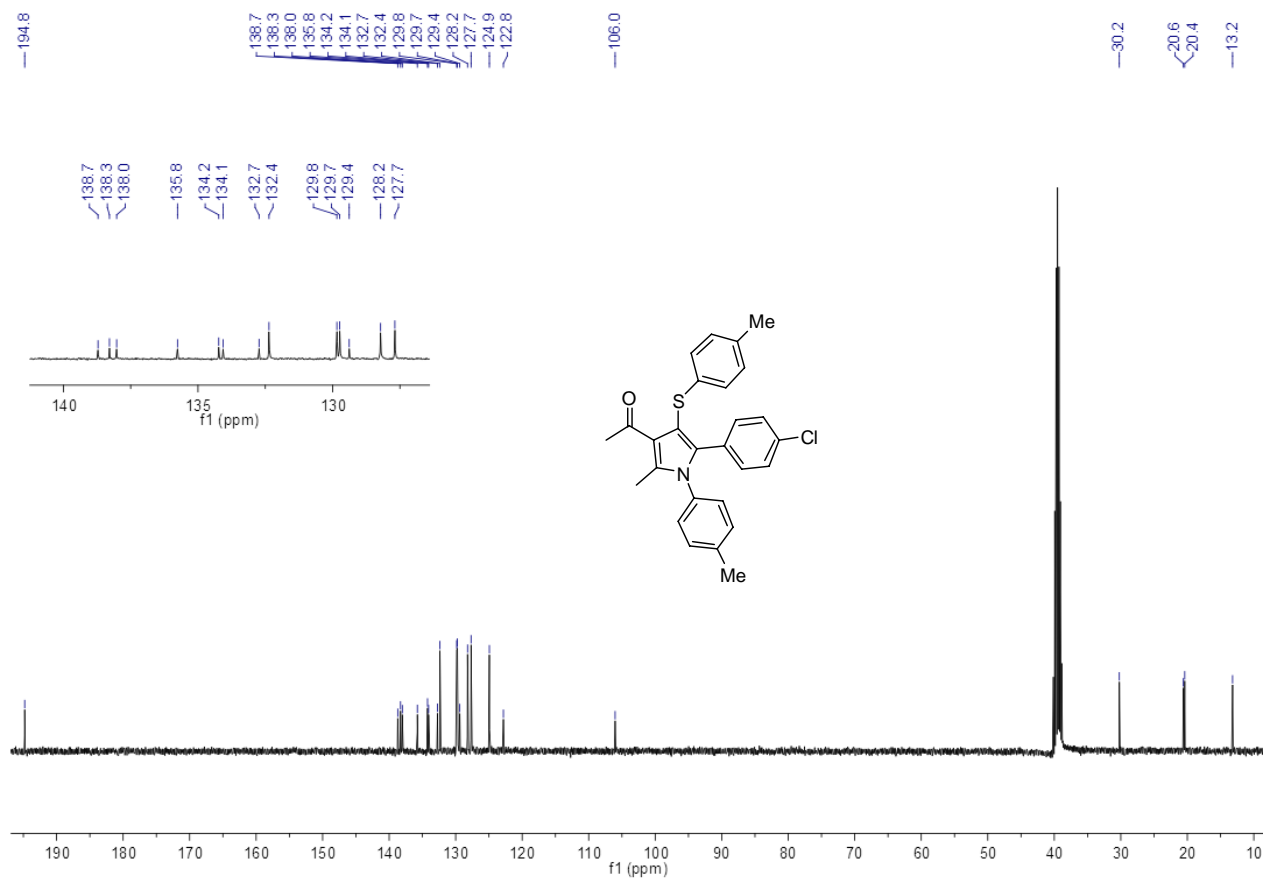
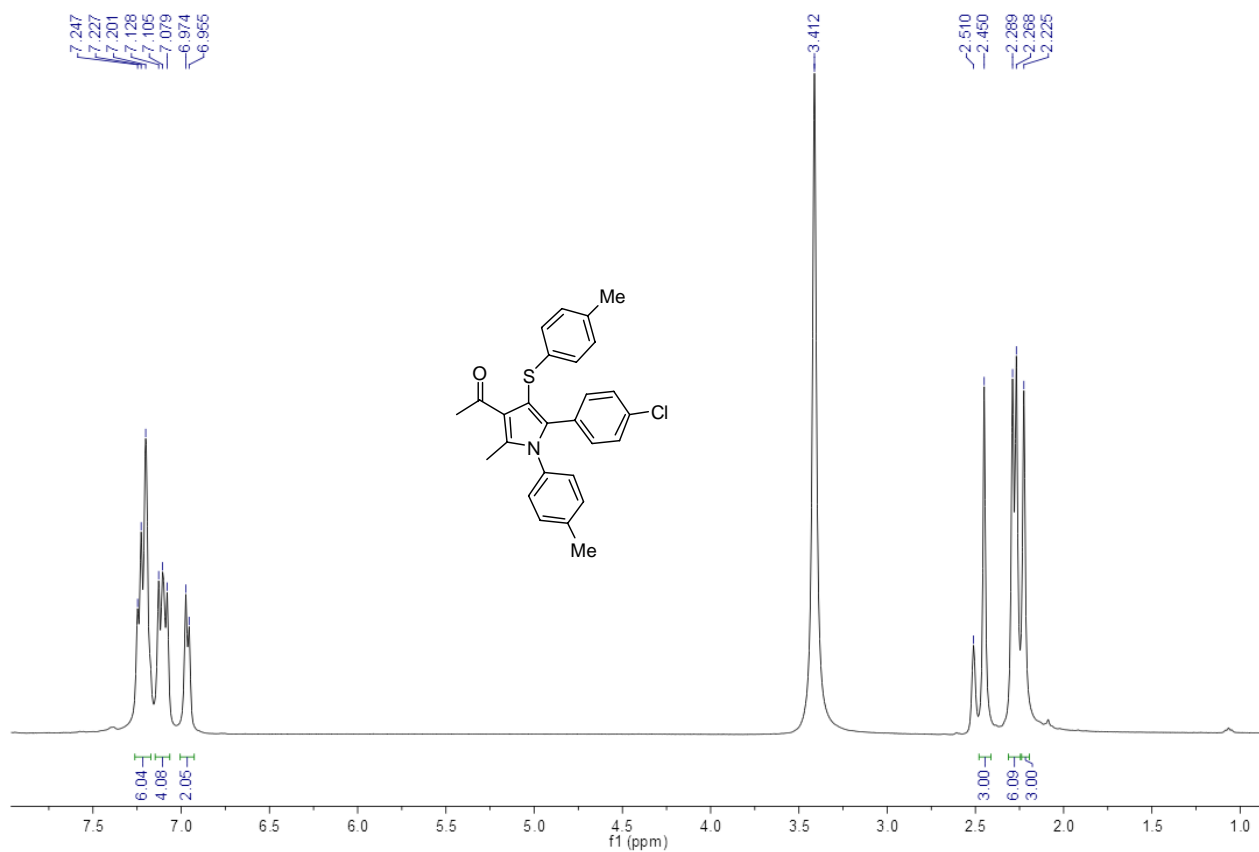


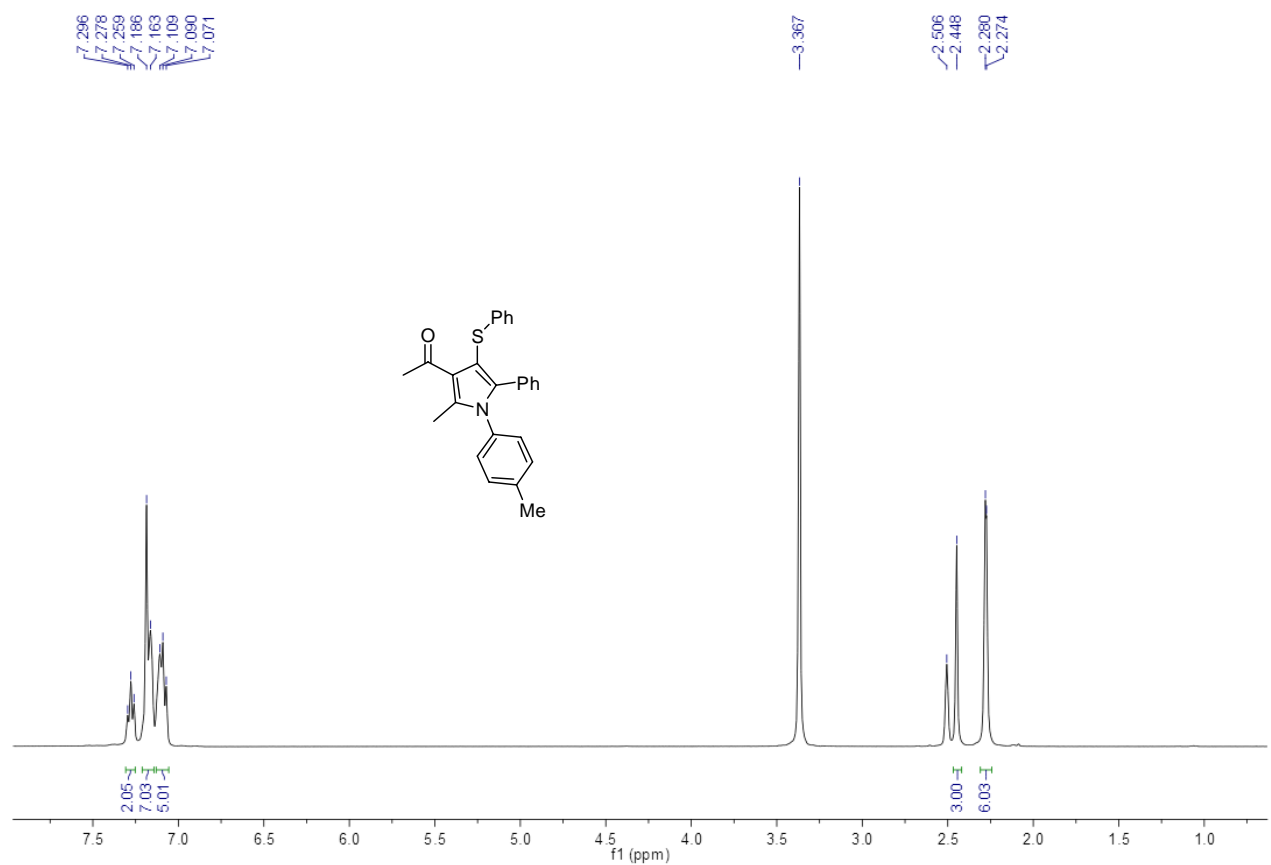


<sup>1</sup>H NMR Spectrum of Compound 6t

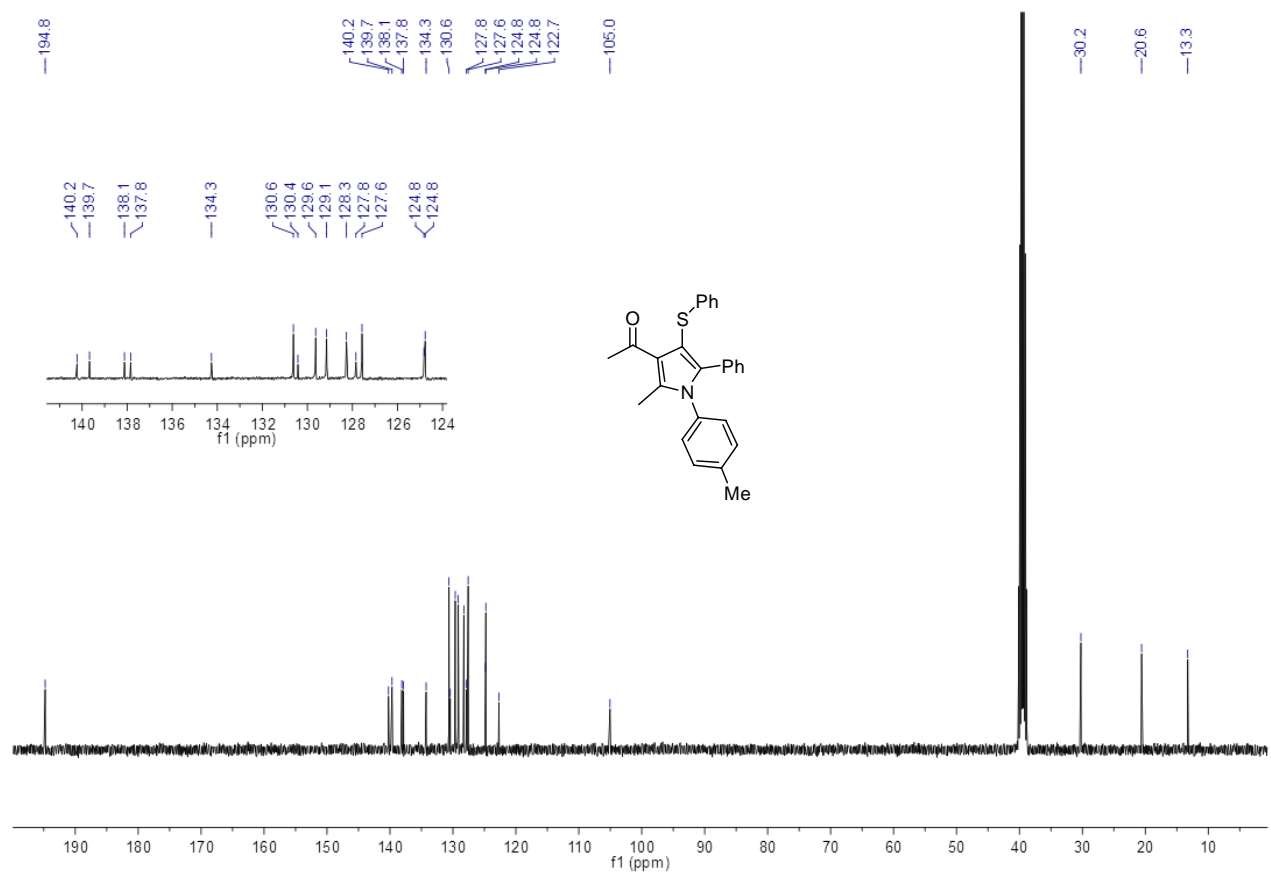


<sup>13</sup>C NMR Spectrum of Compound 6t

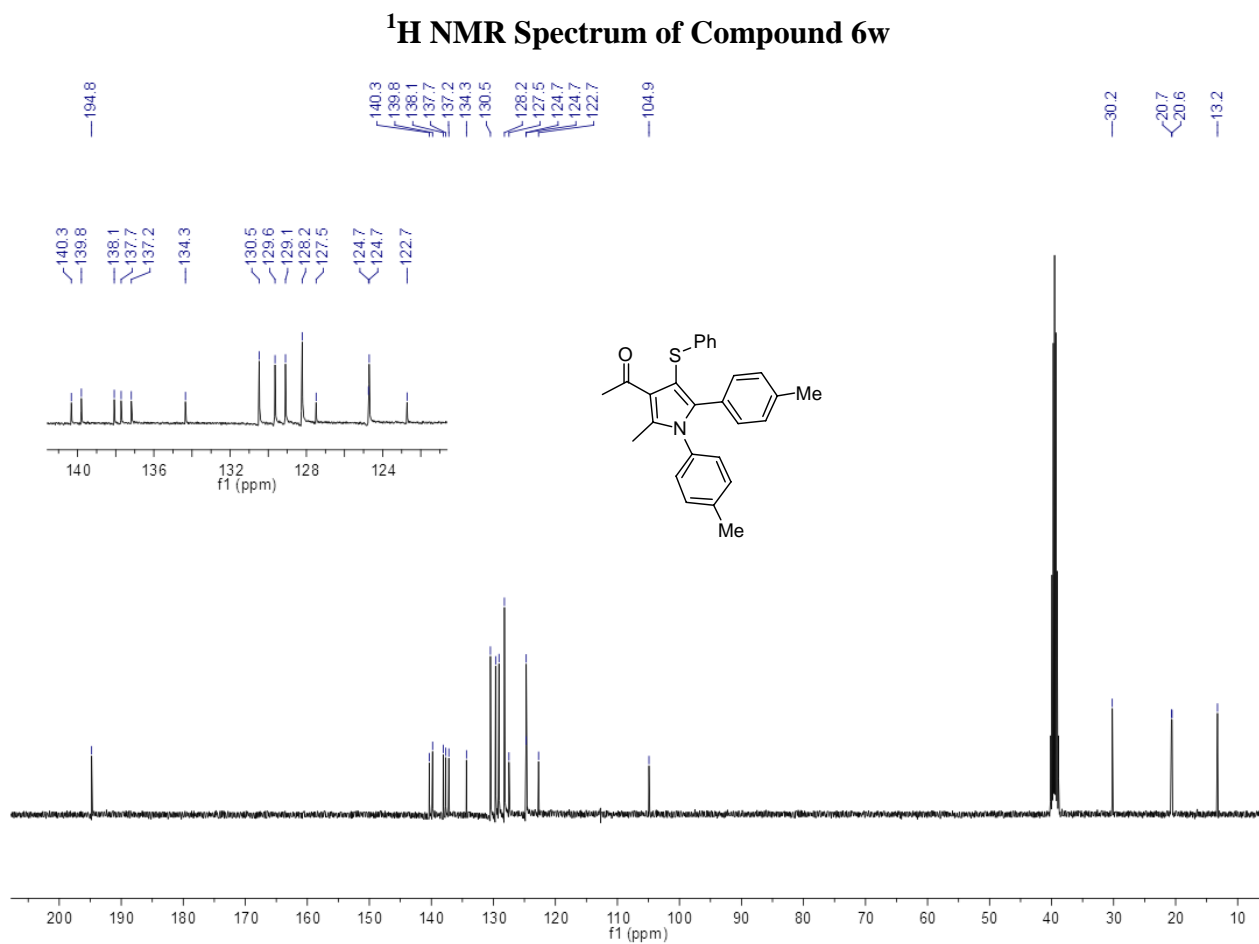
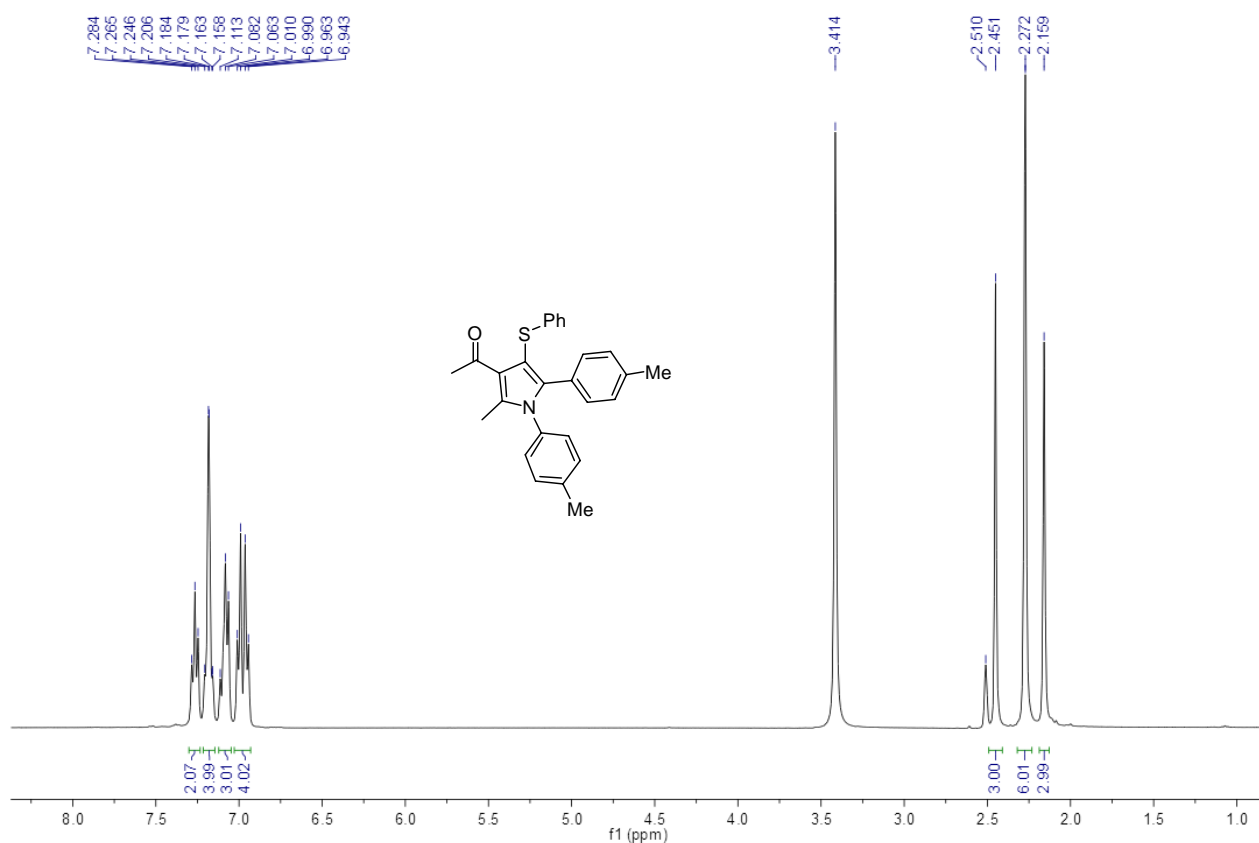




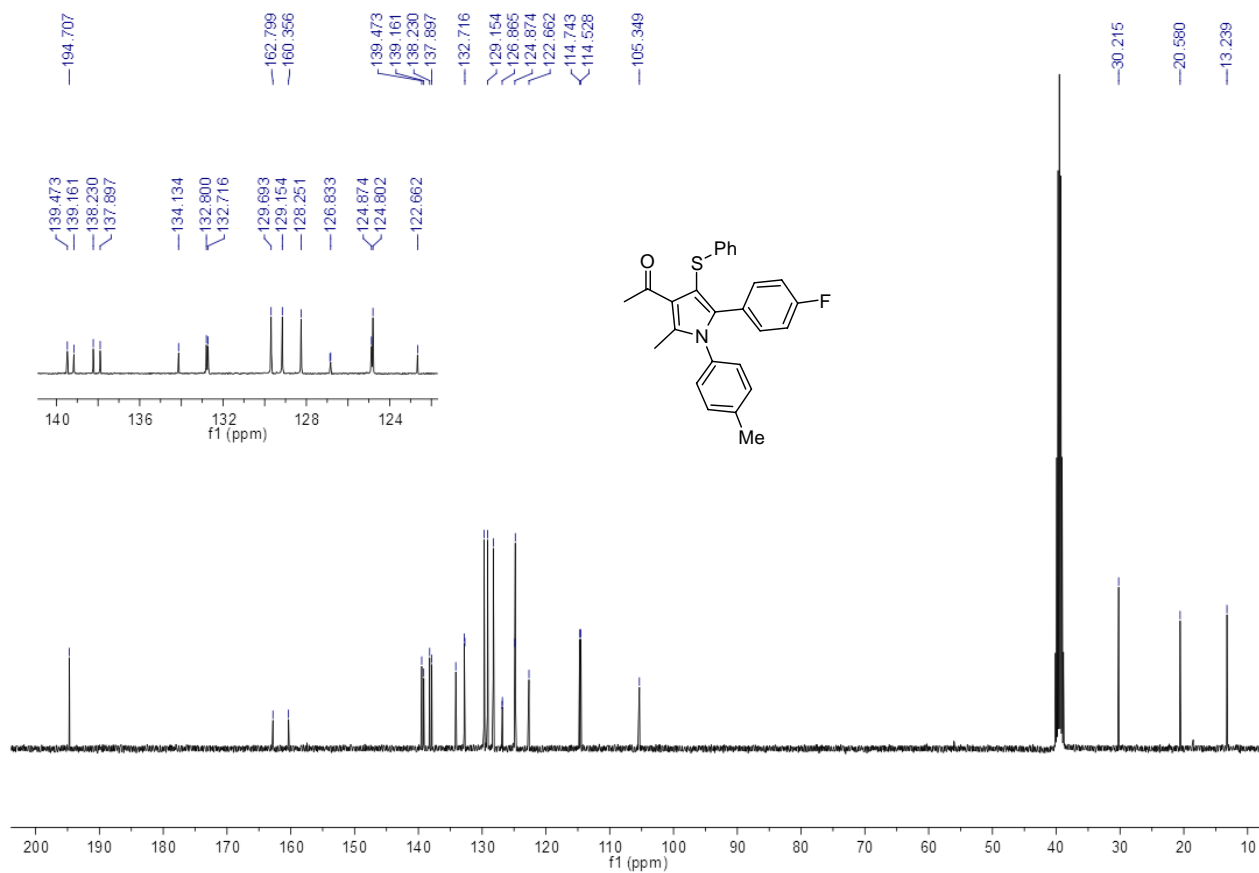
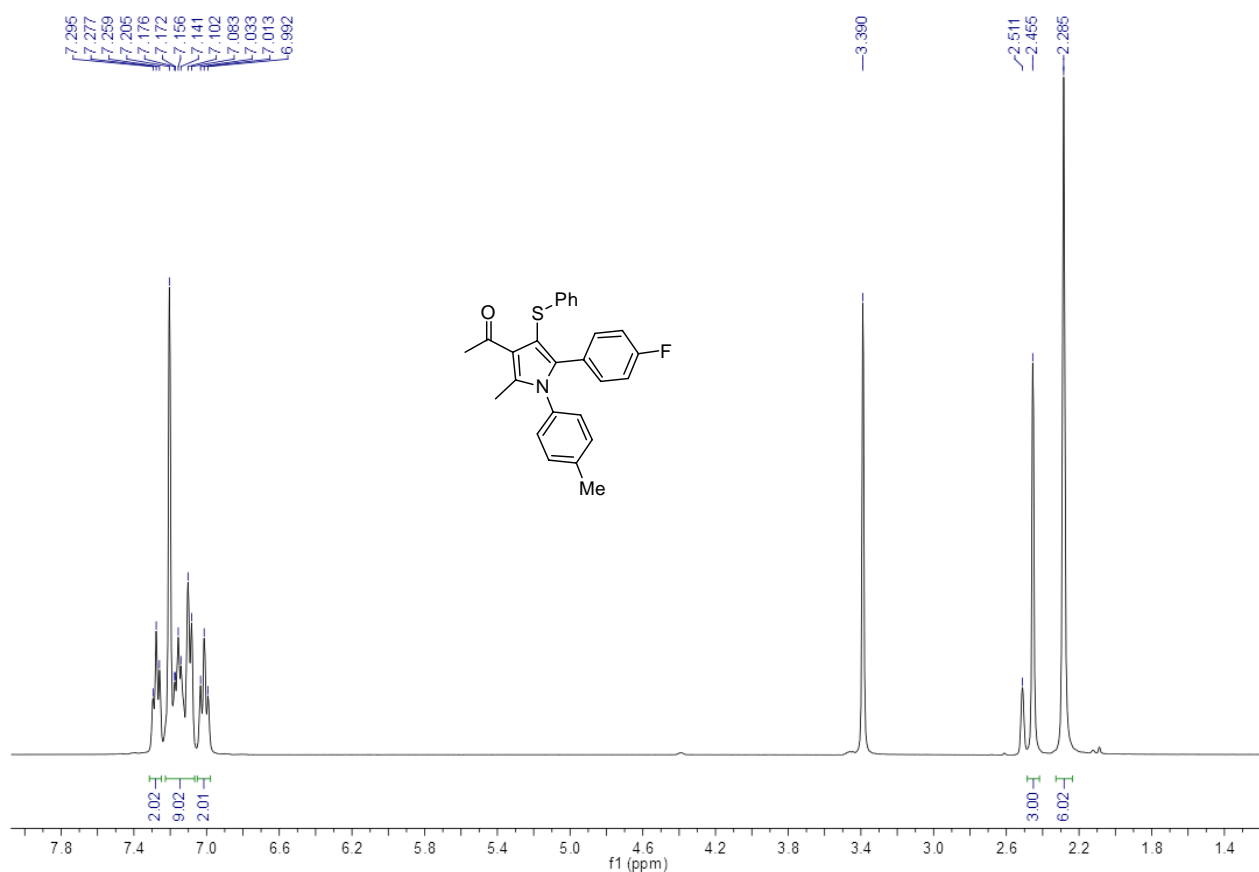
<sup>1</sup>H NMR Spectrum of Compound 6v



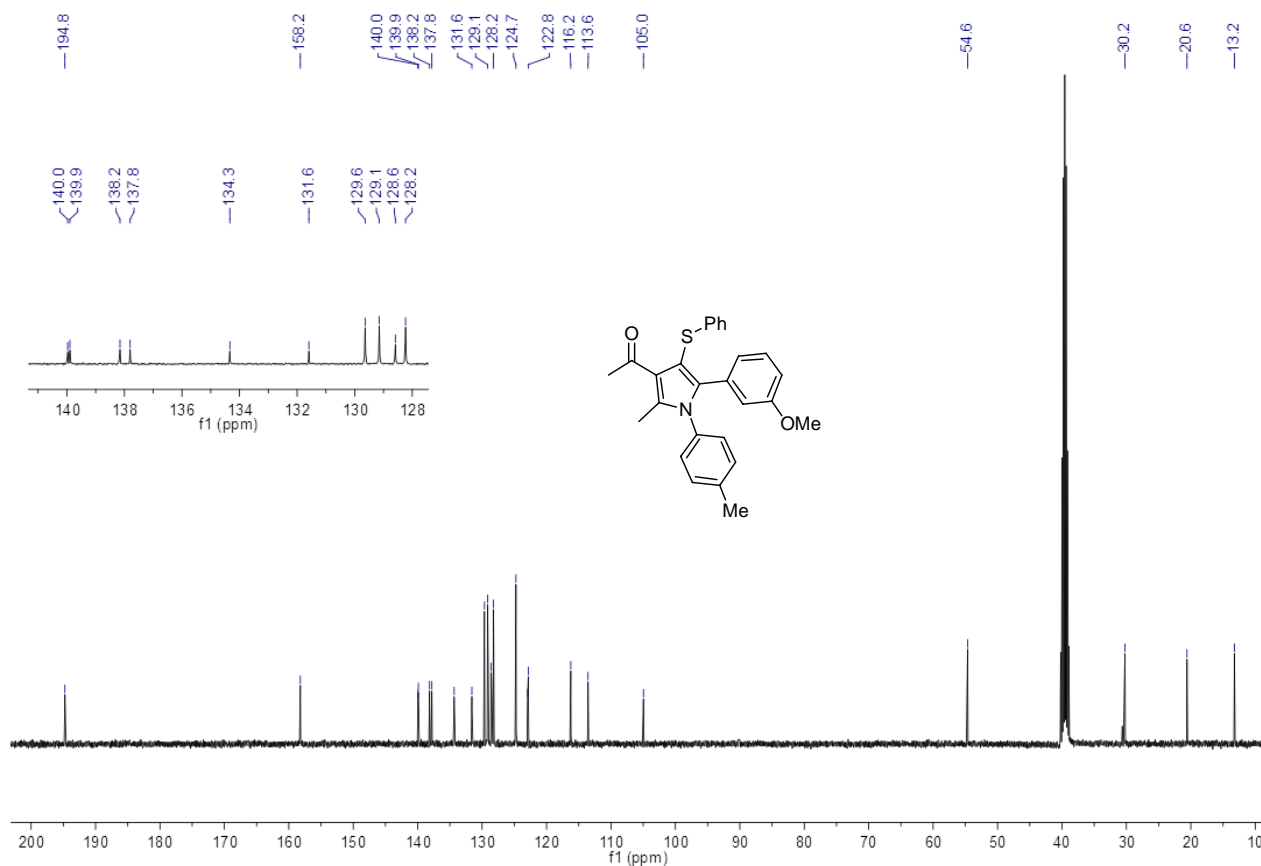
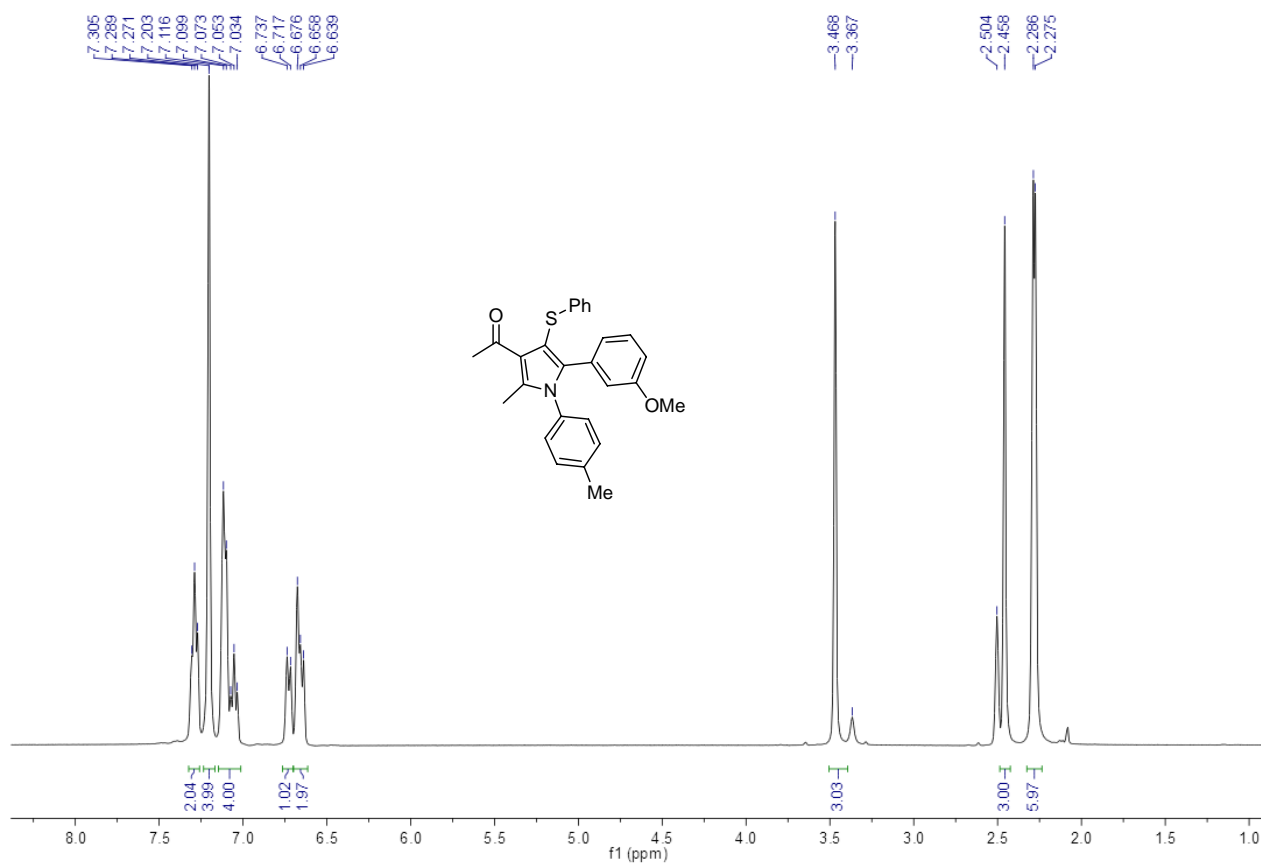
<sup>13</sup>C NMR Spectrum of Compound 6v



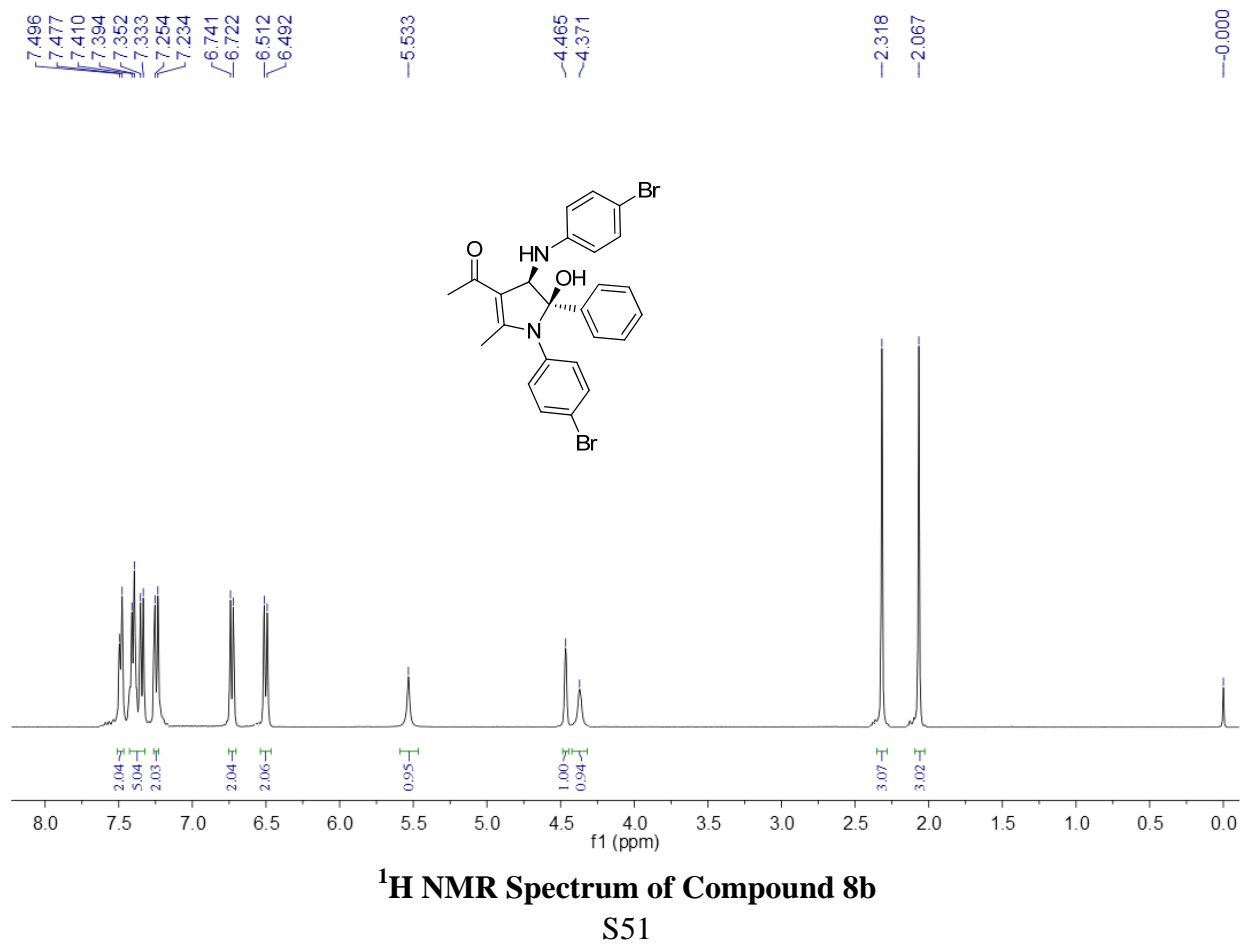
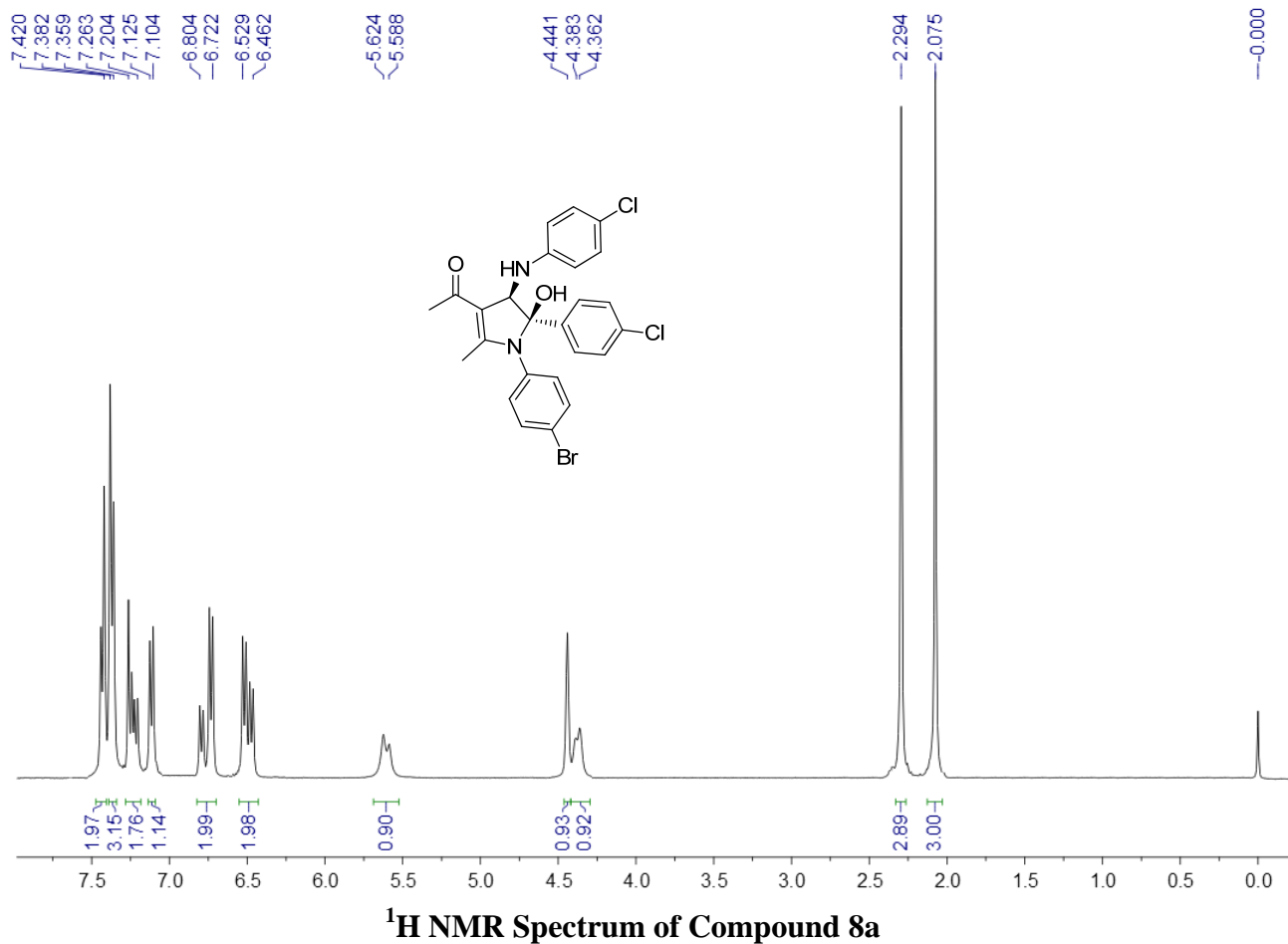


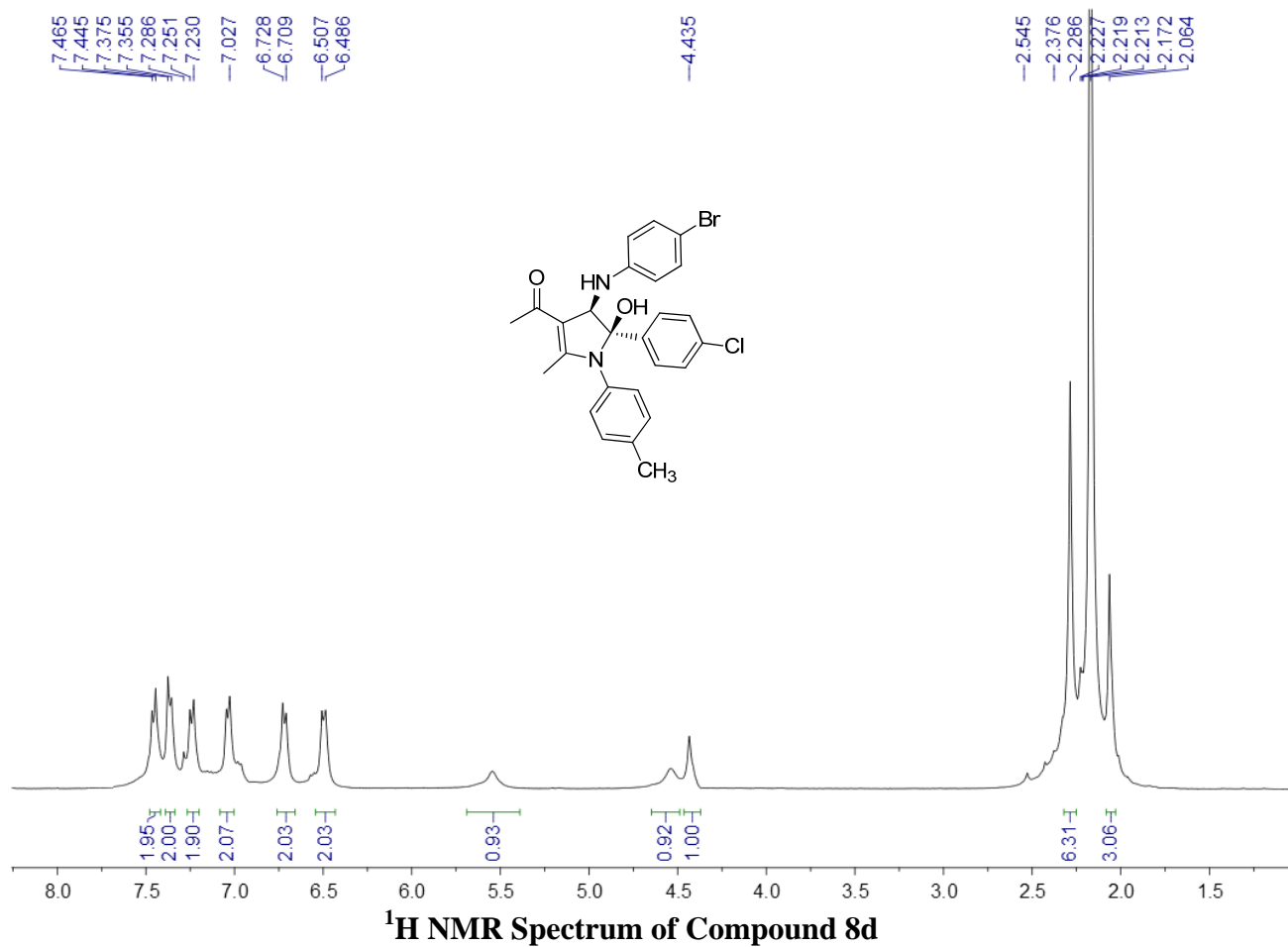
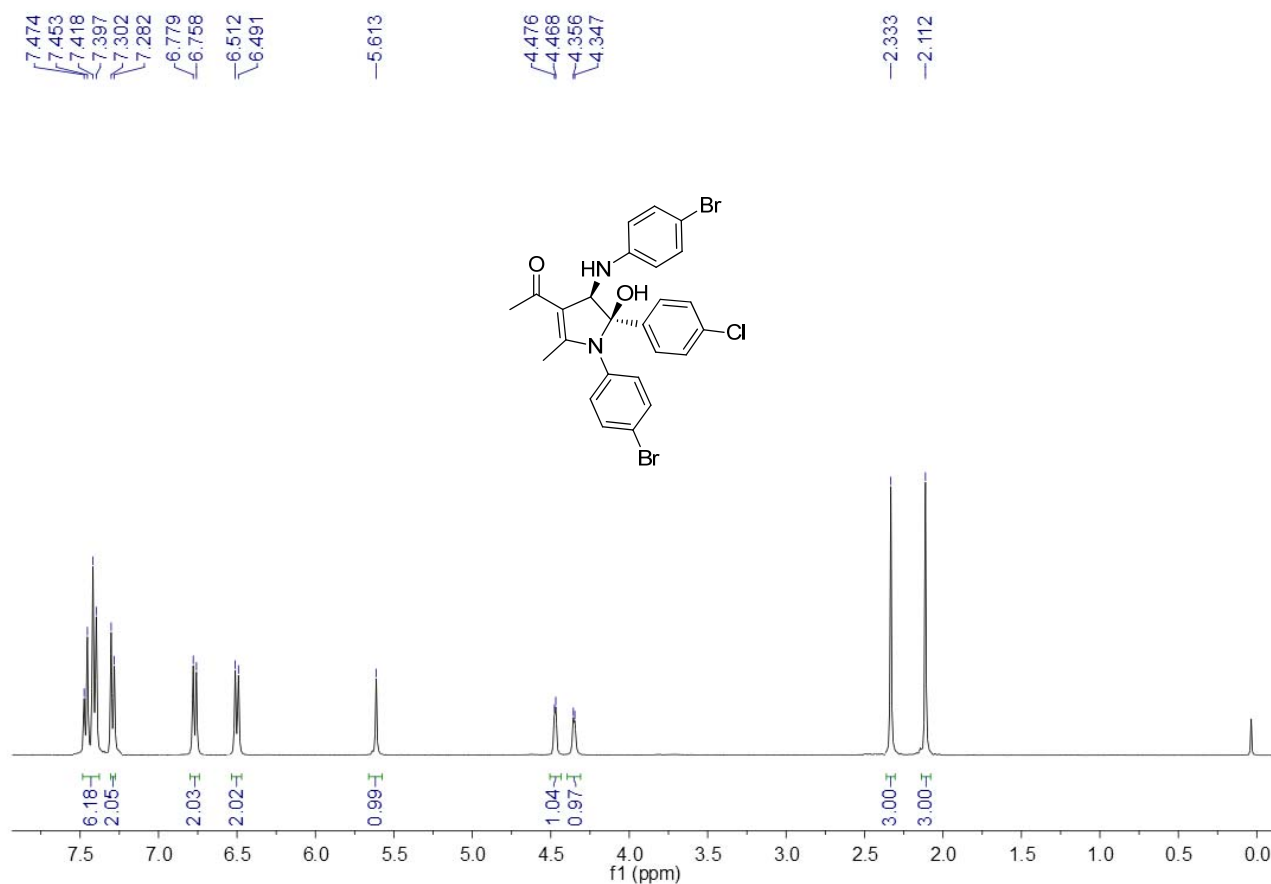


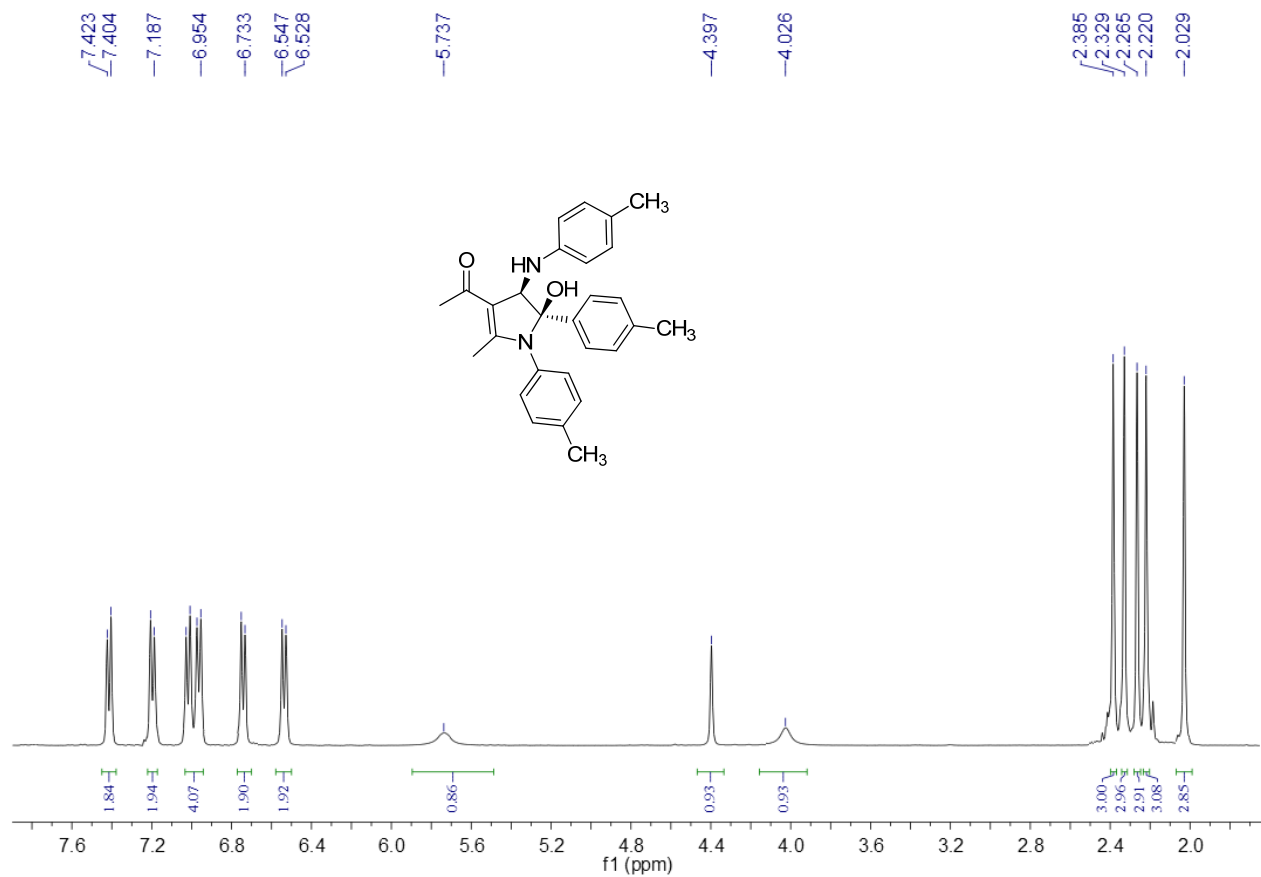
**<sup>13</sup>C NMR Spectrum of Compound 6x**



**<sup>13</sup>C NMR Spectrum of Compound 6y**  
S50







**<sup>1</sup>H NMR Spectrum of Compound 8e**